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**UNITED STATES DEPARTMENT OF AGRICULTURE****AGRICULTURAL RESEARCH ADMINISTRATION****BUREAU OF ENTOMOLOGY AND PLANT QUARANTINE****SERVICE AND REGULATORY ANNOUNCEMENTS****LIST OF INTERCEPTED PLANT PESTS, 1951**

(List of Pests Recorded During the Period July 1, 1950 to June 30, 1951, Inclusive, as Intercepted in, on, or with Plants and Plant Products Entering United States Territory.)

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**INTRODUCTION**

This report, covering the thirty-eighth year for which interception lists have been issued, summarizes the records of insect pests, plant pathogens, and certain other organisms found in, on, or with plants and plant products (1) imported, (2) offered for but refused entry, (3) held as ships' stores, etc. and hence not offered for entry through customs, (4) offered for entry for immediate transportation and exportation in bond, and (5) in domestic shipments between Hawaii and Puerto Rico and the mainland.

Because of the large number of collections involved, an effort has been made to restrict this list to those insects and plant diseases of known or potential plant quarantine importance. Intercepted plant pests that are known to be widely distributed throughout the United States are not included in the tabulation.

In some cases collections made late in the year are included in the report for the following year, since determinations cannot be obtained immediately for all of them. Occasionally determinations are delayed for longer periods. The data for this list are obtained from routine reports by personnel of this Bureau, supplemented by information supplied by State and Customs officials. The States of California and Florida maintain staffs of specialists who identify a large proportion of the material collected at their ports. Specialists of the Bureau of Plant Industry, Soils, and Agricultural Engineering determine many of the difficult or unusual pathogens collected at the ports.

All scientific names are reviewed by appropriate specialists in the Department to assure conformance to the international rules of nomenclature.

While every reasonable effort is made to give the correct origin for all collections listed, the alleged origin of host plant materials cannot be verified in all cases, and where there is reason to doubt the accuracy of the information, the questionable items are either omitted or the origin is listed as unknown.

During the year of this report importers have continued a lively interest in obtaining various seeds, plants, bulbs, fruits, and plant products from many parts of the world. With such importations, which more and more frequently arrive by air, come an increasing number of living plant pathogens and insect pests. Fruit flies and the golden nematode continue to be among the primary pests for which inspectors are constantly alerted.

**INTERCEPTIONS FROM AIR-BORNE MATERIAL**

Plant pests have been intercepted frequently on air-borne plant material in baggage, express, freight, mail, and stores. During the year 3,269 interceptions were made of insects on imported plant parts or as stowaways, and 534 interceptions of plant diseases. A little more than one-third of the pathogens were not determinable as to species, but, from the evidence, appeared to exhibit little or no risk to the country. A few of the specifically identified parasites are unknown in the United

States but are known to cause important crop losses in the countries where they occur. Some of the more injurious insects intercepted during the year arrived in, on, or with fruits and plant material coming in by plane.

Among the more important insects found in air-borne material were: *Adorophyes orana* on cut flowers of lilac in cargo from the Netherlands (although this species is a rather general feeder this is the first record on lilac for the National Museum collection); the citrus blackfly (*Aleurocanthus woglumi*) on an orange leaf in baggage from Mexico; the woolly whitefly (*Aleurothrixus floccosus*) on *Citrus* sp. leaf in baggage from the Bahamas and on *lignumvitae* in baggage from Jamaica; the Mexican fruit fly (*Anastrepha ludens*) in guava in baggage from Nicaragua, in mango in baggage from Mexico, in orange in baggage and stores from Mexico; the West Indian fruit fly (*A. mombinpraeoptans*) in mango in baggage from Cuba, Dominican Republic, Haiti, Jamaica, Mexico, Panama, Puerto Rico, and Salvador, in mango in cargo from Panama and Salvador, in mango in mail from Puerto Rico, in mango in quarters from Mexico, in *Spondias* sp. in baggage from Salvador, and in yellow mombin in baggage from Guatemala, Mexico, Nicaragua, Panama, and Salvador, in yellow mombin in stores from Guatemala; *A. serpentina* in sapodilla in baggage from Nicaragua, in sapote in baggage from Mexico, in star-apple in baggage from Panama and in star-apple in express from Salvador; *A. striata* in guava in baggage from Salvador and Trinidad; *A. suspensa* in guava in baggage from the Dominican Republic, Jamaica, and Puerto Rico, in guava in mail from Puerto Rico; *Brachyrhinus rugosostriatus* in soil on roots of *Saxifraga* sp. in cargo from Switzerland; *Bruchus luteicornis* in vetch seed in baggage from Germany; the Mediterranean fruit fly (*Ceratitidis capitata*) in *Annona* sp. in baggage from Portugal, in apple in baggage from the Azores and Portugal, in apricot in baggage from Lebanon, in apricot in stores from Portugal, in avocado in baggage from Portugal, in fig in quarters from Italy, in fig in baggage from Greece, Italy, and Lebanon, in lemon in baggage from the Azores, in Mandarin orange in cargo from Spain, in Mandarin orange in stores from the Azores and Spain, in nectarine in baggage from Italy, in *Opuntia* sp. in baggage from Italy, in orange in baggage from the Azores, Cyprus, Greece, Israel, Portugal, and Spain, in orange in cargo from Italy, in orange in stores from the Azores, Israel, Lebanon, and Spain, in peach in baggage from France, Italy, and Spain, in peach in stores from the Azores, Italy, and Portugal, in pear in baggage from Italy, in pear in stores from Portugal, in pomegranate in baggage from Greece, in prickly pear in baggage from Italy, in quince in baggage from Italy; *C. capitata* (?) in plum in baggage from Italy; the mango weevil (*Cryptorhynchus mangiferae*) in mango in baggage from India; the olive fruit fly (*D. oleae*) in olive in baggage from Italy, Lebanon, and Syria; the citrus whitefly (*Dialeurodes citri*) on gardenia leaf in baggage from Mexico; *Ereunetis flavistriata* in coconut in baggage from Hawaii; the Oriental fruit moth (*Grapholitha molesta*) in peach and pear in baggage from Japan; a bean pod borer, *Maruca testulalis*, in pigeonpea in baggage and mail from Puerto Rico, in string bean in mail from Puerto Rico; in string bean in baggage in preflight inspection of an airplane leaving Puerto Rico for the mainland; the pink bollworm (*Pectinophora gossypiella*) in cotton bolls in baggage from the Bahamas and Italy, in cottonseed in baggage from Puerto Rico, in cottonseed in cargo from Brazil, in okra in baggage from Puerto Rico and Trinidad; the leaf roller (*Polychrosis botrana*) in grapes in baggage from Greece and Italy; the European corn borer (*Pyrausta nubilalis*) in pepper in baggage from Italy; *Rhagoletis cerasi* in cherry in baggage from Austria, England, France, Germany, Italy, Portugal, and Spain, in cherry in quarters from France, in cherry in stores from France, Portugal, and Sweden.

Some important plant pathogens found on air-borne material and believed to be new to or not as yet established in the United States were: *Catacauma sabal* on palm leaf in baggage from Mexico; *Cercospora insulana* on *Limonium* sp. in cargo from Mexico; *Chrysomyxa rhododendri* on rhododendron in cargo from England and Switzerland; *Colletotrichum cajani* on pigeonpea in baggage from Puerto Rico; *Elsinoe australis* on lemon and sweet orange in baggage from Brazil, on sweet orange in stores from Argentina, and on sweet orange in baggage from an unknown origin; *E. phaseoli* on lima bean in baggage from Puerto Rico; *Gymnosporangium juniperi* and *G. juniperinum* on European mountain ash in baggage from Sweden; "Leprosis" on orange in baggage from Bolivia; *Mycosphaerella advena* on *Chamaedorea* sp. (palm) in cargo from Mexico; *M. palmarum* on palm in cargo from Mexico; *Phlyctaena ranunculacearum* on tree peony in cargo from Japan; *Phoma hortensiae* on hydrangea in baggage from the Azores; *Phyllosticta passiflorae* on passion fruit in baggage from Australia; *Puccinia buxi* on box in baggage from Yugoslavia; *P. urbaniana* on



*Stachytarpheta* spp. in baggage from Puerto Rico; *Septoria posekensis* on *Odontoglossum citrosium* (orchid) in cargo from Mexico and on *Cypripedium callosum* (orchid) in cargo from Siam; *Stachylidium theobromae* on banana in stores from Portugal; *Uredo jucunda* on philodendron in cargo from Costa Rica; virus (undetermined) on *Crossandra* sp. in mail from the Canal Zone; *Xanthomonas citri* on sour lime in stores from India; *Xanthomonas* sp. (Cancrosis "B") on lemon in stores from Argentina.

Intercepted plant disease organisms found on air-borne material that are generally of limited distribution in the United States were: *Coniothyrium hellebori* on Christmas-rose in cargo from the Netherlands and Switzerland; *Entyloma dahliae* on dahlia in baggage from Denmark; *Phakopsora desmum* on cotton in baggage from Puerto Rico; two species of nematodes, *Heterodera punctata* in soil with various plants intended for propagation from England, Germany, Sweden, and Switzerland, and the golden nematode (*H. rostochiensis*) in soil with strawberry, gooseberry, carnation, lavender, chrysanthemum plants from England, in soil with raspberry and currant plants from Sweden, in soil with rhododendron, heather, and shamrock plants from Scotland, in soil with gloxinia plants from Norway and Luxembourg, in soil with kale and shamrock plants from Ireland, in soil with narcissus bulbs and dahlia roots from Ireland, in soil with *Myrtus* sp. plant from Germany, in soil with clematis plants from Switzerland, and in soil with strawberry plants from Denmark. All of this material was intended for propagation.

## NOTES ON INSECTS INTERCEPTED

### FRUIT FLIES

The following fruit flies were intercepted: *Anastrepha fraterculus* in orange in quarters from Argentina and in peach in baggage from Mexico; the Mexican fruit fly (*A. ludens*) in avocado in baggage from Mexico, in grapefruit in stores from Guatemala, in grapefruit in baggage from Mexico, in guava in baggage from Nicaragua, in mango in baggage, quarters, and stores from Mexico, in orange in baggage from Guatemala, Mexico, and Salvador, in orange in stores from Costa Rica and Mexico, in orange in quarters from Mexico, in peach in baggage from Mexico, in pear in baggage from Mexico, in pomegranate in baggage from Mexico, in quince in baggage from Mexico, in sapote in baggage from Mexico, and in sweet lime in baggage from Mexico; the West Indian fruit fly (*A. mombinpraeoptans*) in mango in baggage from Cuba, Dominican Republic, Haiti, Jamaica, Mexico, Panama, Puerto Rico, and Salvador, in mango in cargo from Panama and Salvador, in mango in mail from Puerto Rico, in mango in quarters from Guatemala, Honduras, Mexico, and Trinidad, in mango in stores from the Canal Zone, Cuba, Dominican Republic, and Haiti, in *Spondias* sp. in baggage from Salvador and in *Spondias* sp. in mail from Puerto Rico, in yellow mombin in baggage from Guatemala, Nicaragua, Panama, and Salvador, in yellow mombin in baggage and stores from Guatemala; *A. mombinpraeoptans* (?) in guava in quarters from Honduras; *A. serpentina* in mamey and sapote in baggage from Mexico, in sapodilla in baggage from Nicaragua, and in sapodilla in quarters from Guatemala, in star-apple in baggage from Panama and in star-apple in express from Salvador; *A. serpentina* (?) in orange in stores from Peru; *A. striata* in guava in baggage from Salvador and Trinidad; *A. suspensa* in guava in baggage from the Dominican Republic, Jamaica, and Puerto Rico, in guava in mail from Puerto Rico; the Mediterranean fruit fly (*Ceratitis capitata*) in *Annona* sp. in baggage from Portugal, in apple in baggage from the Azores, Italy, and Portugal, in apricot in baggage from Greece and Lebanon and in apricot in stores from Portugal, in avocado in baggage from Portugal, in coffee berry in baggage from Hawaii, in fig in baggage from Greece, Italy, and Lebanon, in fig in quarters from Italy, in grapefruit in stores from Cyprus, Egypt, Gibraltar (?), Israel, Palestine, and Spain, in guava in baggage from Israel, in lemon in baggage from the Azores and Italy, in Mandarin orange in baggage from Israel and Italy, in Mandarin orange in cargo from Spain, in Mandarin orange in stores from Algeria, the Azores, Portugal, and Spain, in nectarine in baggage from Italy, in orange in baggage from the Azores, Cyprus, Greece, Israel, Italy, Malta, Palestine, Portugal, and Spain, in orange in cargo from Italy, in orange in stores from Africa, Algeria, the Azores, Israel, Italy, Lebanon, Portugal, and Spain, in peach in baggage from France, Italy, and Spain, in peach in stores from the Azores, Italy, Palestine, and Portugal, in pears in baggage from Italy and Syria, in pear in quarters from Italy, in pear in stores from Portugal, in persimmon in baggage from Italy, in pomegranate

in baggage from Greece and Italy, in prickly pear in baggage from Italy, and in quince in baggage from Italy, with grapes, oranges, and plums from Italy (abandoned on pier); *C. capitata* (?) in plum in baggage from Italy; the melon fly (*Dacus cucurbitae*) in cucumber in cargo and stores from Hawaii, in tomato in stores from Hawaii; the Oriental fruit fly (*D. dorsalis*) in avocado in baggage from Hawaii, in banana in baggage and quarters from Hawaii, a dead adult in a case of cucumbers in cargo from Hawaii, in mango in baggage from Hawaii, in tomato in stores from Hawaii; in *Ochrosia elliptica* in baggage from Hawaii; the olive fruit fly (*D. oleae*) in olive in baggage from Italy, Lebanon, and Syria, in olive in mail from Italy, in olive in quarters from Crete, in olive in stores from Greece; *D. oleae* (?) in olive in stores from Algeria; *Rhagoletis cerasi* in cherry in baggage from Austria, England, France, Germany, Italy, Portugal, and Spain; in cherry in quarters from France, in cherry in stores from France, Italy, Portugal, and Sweden; the walnut husk fly (*R. completa*) in walnut in baggage from Mexico; *R. juglans* in black walnut in baggage from Mexico; *R. pomonella* in apple in baggage from Mexico, in apple in stores from Canada and the Union of South Africa.

#### INSECTS OTHER THAN FRUIT FLIES

The following miscellaneous insects of special interest were intercepted: A bruchid, *Acanthoscelides griseolus*, in *Rhynchosia* sp. seed in mail from Mexico; an eriophyid mite, *Aceria tulipae*, on garlic in cargo from Mexico and on garlic in stores from Chile; *Adoxophyes orana* (Tortricidae) on cut flowers of lilac in cargo by air from the Netherlands; the citrus blackfly (*Aleurocanthus woglumi*) on leaves of *Citrus* sp. in baggage and in mail from Mexico, on hibiscus leaf in baggage from Mexico, on Mandarin orange leaf in baggage from Mexico, on orange leaves in baggage and in baggage by air from Mexico, on orange leaf in stores from Peru, and on sour lime leaf in cargo from Mexico; *Apsychomyrmex tristani* (Formicidae), a very rare species in most collections, on cane of *Philodendron* sp. in cargo from Costa Rica; a curculionid, *Brachyrhinus rugosostriatus*, in soil and moss packing for *Quercus* sp. in cargo and in soil on roots of *Saxifraga* sp., in cargo from Switzerland; a coccid, *Chrysomphalus ritchiei*, on *Calocarpum sapota* in stores from the Canal Zone; *Coccotrypes dactyliperda* (Scolytidae) in cliff date palm seed in mail from India and in unidentified seed in baggage from Hawaii; the banana root borer (*Cosmopolites sordidus*) in banana in cargo from Nicaragua; a curculionid, *Cylas femoralis*, in sweetpotato in baggage from Liberia; *Epicaerus cognatus* in potato in baggage and stores from Mexico; *Epinotia tessulatana* (Olethreutidae) in Portuguese cypress in baggage from Portugal; an olethreutid, *Gymnandrosoma aurantianum*, in an orange in stores from Brazil; *Laspeyresia juliana* (Olethreutidae) in chestnut in baggage from Italy; a scolytid, *Leperisinus fraxini*, in *Ulmus* sp. (?) crate in cargo from England; *Lepidosaphes kuwacola* (Coccidae) on tree peony in air express from Japan; *Lilioceris lili* (Chrysomelidae) in Madonna lily bulb and lily bulb in cargo from France; *Myrmica laevinodis* (Formicidae), an important economic species, on shasta daisy in air express from England; *Naupactus xanthographus* (Curculionidae) in packing around melons in cargo from Chile; the pink bollworm (*Pectinophora gossypiella*) in cotton bolls in baggage from the Bahamas, British West Africa, Hawaii, Italy, and Mexico, in cotton boll in cargo from Mexico, in cottonseed in baggage from Mexico, in cottonseed in baggage by air from Puerto Rico, in cottonseed in cargo from Brazil, Egypt, and India, and in cargo by air from Brazil, in cottonseed in mail from Brazil, Egypt, and Korea, in cottonseed in quarters from Mexico, in seed cotton in baggage, cargo, and quarters from Mexico, in seed cotton in mail from an unknown origin, in okra in baggage by air from Puerto Rico and Trinidad, in okra in mail from Egypt, and in okra in stores from Brazil and Egypt; an olethreutid, *Polychrosis botrana*, in grape in baggage by air from Greece and Italy; *Puto ulter* (Coccidae) on *Brassia verrucosa*, *Epidendrum atropurpureum*, *Oncidium splendidum*, and *Oncidium* sp., all orchids, in cargo by air from Guatemala; *Reticulitermes speratus* (Rhinothremidae) on tree peony in cargo from Japan; *Sesamia cretica* (Phalaenidae) in broomcorn and corn in baggage from Italy and in broomcorn in cargo from Greece and Italy; the coffee berry borer (*Stephanoderes hampei*) in coffee beans in stores from Brazil; the bulb scale mite (*Tarsonemus laticeps*) in narcissus bulbs in cargo from the Netherlands.

#### SNAILS

During the year eleven shiploads of returned military equipment were found to be contaminated with the giant African snail (*Achatina fulica*). San Pedro, Calif., again made the largest number of interceptions of snails (6) on ships arriving from



Guam, the Philippines, and Saipan while San Francisco, Calif., made 4 interceptions and Portland, Oreg., made one, all on ships coming from Guam.

Another injurious snail, *Deroceras reticulatum*, distributed in some of our States, was intercepted at New York, N. Y., with celery in stores from Bermuda, with cut flowers of chrysanthemums in baggage from England, and with unidentified plant material in baggage from Italy, at Galveston, Tex., with cabbage in stores from Italy, and at Miami, Fla., with *Cattleya* sp., an orchid, in cargo by air from Venezuela. *Lamellaris* sp., a third injurious species, not known to occur on the mainland of the United States, was taken at Honolulu, Hawaii with *Renanthera storiei*, an orchid, in cargo from the Philippines.

### NOTES ON DISEASES INTERCEPTED

Japan has contributed the greatest number of interceptions (25) of citrus canker (*Xanthomonas citri*), 17 of which were on lemons, the remaining on sweet oranges and one each on pummelo and grapefruit. China supplied nearly as many interceptions (20) on the same above hosts except lemon and one on Mandarin orange. India dropped to third place this year, contributing fewer interceptions (15) than previous years, most of them on sour lime with one each on lemon and calamodin orange. Cancrosis "B" (*Xanthomonas* sp.), closely related to citrus canker, was intercepted six times on lemons from Argentina. Brazil contributed more interceptions (84) of sweet orange fruit scab (*Elsinoe australis*) on orange, lemon, and sour lime than Argentina (16) on the same hosts except sour lime. "Leprosis", a comparatively new disease to the citrus industry possibly caused by a virus or insect injury, has been intercepted once from Bolivia and once from Brazil. Quantities of plants for propagation purposes were intercepted at the ports of entry. *Chrysomyxa rhododendri*, a rust attacking both spruces and rhododendrons, was brought to this country with cut rhododendron flowers four times from Austria, three times from Switzerland, and once from an unknown source. It also came on one occasion from England on the same host, intended for propagation. Japan contributed 4 interceptions of Chinese juniper infected by a leaf rust, *Gymnosporangium harae-anum*. Flowering quince is the alternate host of this rust species. A stem disease, *Coniothyrium cytisallum*, of *Laburnum* sp. and a leaf disease, *C. hellebori*, on Christmas-rose came from the Netherlands. Two rust diseases, *Gymnosporangium juniperi* and *G. juniperinum*, were intercepted on European mountain ash from Norway and Sweden. The alternate host as the species name implies in both cases is juniper. A destructive leaf disease, *Septoria azaleae*, of rhododendron and azalea was brought from Belgium and the Netherlands.

Other pathogens of importance were *Botrytis gladiolorum* on gladiolus and *Tritonia* sp. in cargo from the Netherlands, on gladiolus in mail from Austria, on gladiolus in cargo from Japan, and on gladiolus in baggage from Mexico and the Netherlands; *Cercospora handelli* on rhododendron in cargo from the Netherlands; *C. kaki* on persimmon in stores from Japan; a parasitic lichen, *Mycena citricolor* (formerly *Omphalia flavida*), on gardenia in baggage from Guatemala and on gardenia in cargo from Mexico.

Nematodes have been important plant pests. The golden nematode, (*Heterodera rostochiensis*), causing serious concern for the third year, generally found in soil with various plant material for propagation, was intercepted 80 times from the British Isles, Europe, and the Scandinavian countries. This nematode was also found 57 times in soil on bagging from Belgium, England, the Netherlands, and Scotland, 21 times in soil with potatoes from Denmark, England, Germany, Ireland, Norway, Scotland, and Spain, 9 times in soil with heather and potatoes from Scotland. Other nematodes of importance were *Anguina tritici* in wheat in mail from Syria and Turkey; *Aphelenchoides parietinus* in *Convallaria* sp. in cargo from Denmark; *Aphelenchus avenae* in onion, potato, and soil with cactus plants, all in baggage from Mexico, and in gladiolus in mail from the Netherlands; *Ditylenchus dipsaci* in onion in baggage from Mexico and in *Tigridia* sp. in cargo from the Netherlands; *D. iridis* in iris in cargo from the Netherlands; *Heterodera avenae* in soil with rutabagas in stores from England and in soil with pine in baggage from the Isle of Man; *H. cacti* in soil with cactus in baggage from France and Israel and in soil with *Epiphyllum* sp. and *Mammillaria* sp. in mail from Mexico; *H. punctata* in soil with various host materials from the British Isles, the Scandinavian Countries, and Europe; *H. schachtii* in soil with beets in stores and in soil with grapes and fig plants in baggage from Italy; *Meloidogyne arenaria* in begonia tubers in cargo from Belgium and in roots of clematis in cargo from the Netherlands.

## INCOMPLETELY DETERMINED PESTS

In many instances complete determinations of insects and plant pathogens, including nematodes, have been impossible due to their condition on arrival. Some of these potential pests may be hitherto unknown and may be of economic importance. Furthermore, the increasing importance of nematodes in agriculture is paralleled by an increasing number of interceptions by every method of transportation.

## INSECTS

Among the incompletely determined insects were the following fruit flies: *Anastrepha* sp., probably *ludens*, at Brownsville, Tex., in an empty boxcar which had carried mangoes from Mexico, at El Paso, Tex., in mango in baggage from Mexico, at Galveston, Tex., in orange in stores from British Honduras; *Anastrepha* sp., probably *mombinpraeoptans*, at New Orleans, La., in guava in quarters from Honduras; *Anastrepha* sp. at Miami, Fla., in custard-apple in baggage by air from Peru, at San Juan, Puerto Rico, in date in baggage in preflight inspection for shipment to the mainland, at Brownsville, Tex., in mamey in baggage from Mexico, at Mobile, Ala., in grapefruit in stores from Peru, at Jacksonville, Fla., in grapefruit in stores from Argentina, at Laredo, Tex., in guava in baggage from Mexico, at New Orleans, La., in guava in baggage by air from Salvador, at New York, N. Y., in guava in baggage by air from Colombia, at Baltimore, Md., in mango in stores from Panama, at Brownsville, Tex., in mango in baggage from Mexico, at Hidalgo, Tex., in mango in baggage from Mexico, at Miami, Fla., in mango in baggage by air from Jamaica, at Laredo, Tex., in mango in baggage from Mexico, at New Orleans, La., in mango in baggage by air from Jamaica and in mango in quarters from Cuba and Guatemala, at New York, N. Y., in mango in baggage from Ecuador, at San Antonio, Tex., in mango in baggage by air from Salvador, at West Palm Beach, Fla., in mango in baggage by air from Jamaica, at Brownsville, Tex., in orange in baggage from Mexico, at Houston, Tex., in orange in baggage by air from Guatemala, at Miami, Fla., in orange in baggage by air and stores from Colombia, at New Orleans, La., in orange in stores from Brazil and Peru, at New York, N. Y. in orange in baggage by air from Colombia, at Philadelphia, Pa., in orange in stores from Brazil, at Port Arthur, Tex., in orange in quarters from Brazil, at Brownsville, Tex., in *Passiflora* sp., in stores from Mexico, at Laredo, Tex., in peach in baggage from Mexico, at Thayer, Tex., in peach in baggage from Mexico, at New York, N. Y., in persimmon in baggage by air from Brazil, at Brownsville, Tex., in plum in stores from Mexico, at New Orleans, La., in sapodilla in baggage by air from Salvador, at San Antonio, Tex., in sapodilla in baggage by air from Colombia and Mexico, at Tampa, Fla., in soursop in baggage by air from Peru, at San Pedro, Calif., in yellow mombin in baggage by air from Salvador, at Nogales, Ariz., in a railway car which had been used for hauling mangoes from Mexico; *Dacus* sp. at Norfolk, Va., in cucumber in stores from the Gold Coast, at Baltimore, Md., in squash in stores from the Union of South Africa, at Gulfport, Miss., in tomato in stores from Hawaii; *Rhagoletis* sp. at Laredo, Tex., in apple and apricot in baggage from Mexico, at New York, N. Y., in apple in stores by air from unknown origin (airplane stopped at London, England, and Gander, Canada). Forty-five interceptions which could not be identified beyond family (Tephritidae) were taken at Boston, Mass., in apple in baggage by air from the Azores and Portugal, in apple in stores by air from Australia, in apricot in stores by air from Portugal, at Hidalgo, Tex., in avocado in baggage from Mexico, at San Francisco, Calif., in avocado in baggage from Hawaii, at New York, N. Y., in azarole hawthorn in baggage from Italy, at San Francisco, Calif., in coffee berry in baggage from Hawaii, in cucumber in cargo from Hawaii, at New York, N. Y., in *Cyphomandra* sp. in mail from Mexico, with assorted fruits in baggage from Italy, at New Orleans, La., in grape in cargo from Argentina, at New York, N. Y., in grape in baggage from Italy and in grapes in stores by air from an unknown origin, at Boston, Mass., in grapefruit in stores from Egypt and the Gold Coast, at Houston, Tex., in grapefruit in quarters from Argentina, at Honolulu, Hawaii, in fruit of *Leucosomia burnettiana* in baggage from the Fiji Islands, at Houston, Tex., in mango in baggage by air from Peru, at Laredo, Tex., in mango in baggage from Mexico, at San Francisco, Calif., in mango in baggage from Hawaii, at Baltimore, Md., in orange in stores from Brazil, at Boston, Mass., in orange in stores from Algeria, Portugal (by air), and Spain, at Galveston, Tex., in orange in stores from Brazil, at Laredo, Tex., in orange in baggage from Mexico, at New York, N. Y., in orange in baggage from Trinidad and in orange in stores by air from the Union of South Africa, at Philadelphia, Pa., in orange in quarters from Egypt, at San Diego, Calif., in papaya in stores from Hawaii, at Boston, Mass., in peach in



stores by air from the Union of South Africa, at New York, N. Y., in pear in baggage by air from Greece, at Galveston, Tex., in pepper in stores from the Gold Coast, at Philadelphia, Pa., in chili pepper in stores from Sierra Leone, at San Francisco, Calif., in bell pepper in cargo from Hawaii, at New York, N. Y., in sorbe apple in baggage from Italy, at Calexico, Calif., in a refrigerator car which had been used to transport bananas from Mexico.

The following miscellaneous insects of special interest were intercepted: An aleyrodid, *Aleurocerus* sp., at San Antonio, Tex., on *Chamaedorea oblongata* in cargo by air from Mexico; *Anaphothrips* sp., near or equals *secticornis* (Tryb.) (Thripidae), at Honolulu, Hawaii, on iris plant, in cargo by air from New Zealand; a coccid, *Annulaspis* sp., at Nogales, Ariz., on bamboo in cargo from Mexico; a scarabaeid, *Anomala* sp. at Seattle, Wash., in soil around dwarf juniper in baggage from Japan; *Anthonomus* sp., near *rectirostris* (L.), (Curculionidae) at Seattle, Wash., in *Prunus* sp. seed in cargo from Japan; *Apton* sp., near *cerdo* Gerst., (Curculionidae) at New York, N. Y., in vetch seed in cargo from Portugal and in vetch seed in mail from Italy; a phalaenid, *Autographa* sp., might be *gamma* (L.), at Mobile, Ala., on cauliflower in stores from England; *Autoserica* sp. (Scarabaeidae) at San Diego, Calif., in soil around dwarf conifers in baggage from Japan; *Brachyrhinus* sp. (Curculionidae) at Seattle, Wash., with astilbe roots in cargo and at Hoboken, N. J., with begonia tubers in mail from the Netherlands, at New York, N. Y., in soil with carnation plants in baggage from Germany, and at New York, N. Y., in soil with oxalis plants in baggage from France; a bruchid, *Bruchus* sp., *ervi* Froel. or very near, at New York, N. Y., in dry lentils in baggage from Italy and in cargo by air from Lebanon; *Bruchus* sp., probably *tristis* Boh., at New York, N. Y., in *Lathyrus* sp. seed in baggage from Italy; *Carposina* sp. (Carposinidae) at San Francisco, Calif., in *Robos magnolia* seed in air freight from Japan; a bruchid, *Caryedon* sp., at Washington, D. C., in seed pod of *Terminalia sericea* in mail from Pretoria; an anthribid, *Cimberinae* (genus unknown), at Nogales, Ariz., in the blossoms of pine from Mexico. (Insofar as known all the species live, as larvae, in the staminate cones of various pines.) *Cladius* sp., probably *diffimoris* (Panz.), (Tenthredinidae) was intercepted at New York, N. Y., with roses in baggage by air from Czechoslovakia, Germany, Italy, and Scotland; a curculionid, *Cleonus* sp. at Baltimore, Md., and at New York, N. Y., in beet in stores from Egypt; a tortricid, *Cnephasia* sp., near or equals *virgaureana* (Treit.), at New York, N. Y., in soil with viburnum cuttings, primroses, and *Sedum* sp. plants, and narcissus bulbs in baggage from England; *Ctenicera* sp. (Elateridae) at Seattle, Wash., with lily bulbs in mail from Canada, at Norfolk, Va., in soil with potatoes in stores from Denmark, and at Hoboken, N. J., in forest litter packing for violet plants in mail from Germany; an undescribed species of *Diaspis* sp. (Coccidae) at Hidalgo, Tex., on avocado in baggage from Mexico; *Diphaulaca* sp., presumably *panamae* Barber, (Chrysomelidae) at New Orleans, La., on deck of airplane from Guatemala; *Euvura* sp. (Tenthredinidae) at Boston, Mass., in willow withe in cargo by air from France; *Gelechia* sp. (probably new) (Gelechiidae) at Nogales, Ariz., on a leaf of *Jathropha cinerea* in cargo from Mexico; *Gnorimoschema* sp., near or equals *ocellatella* (Boyd), (Gelechiidae) at Philadelphia, Pa., in beet in stores from Egypt; *Gnorimoschema* sp. at New York, N. Y., in Swiss chard in stores from Gibraltar (?); an olethreutid *Gymnandrosoma* sp. at New Orleans, La., in an orange in quarters from Mexico; a psyllid, *Heteropsylla* sp., either undescribed or belonging to a species whose males are unknown, at Nogales, Ariz., with a pod of *Cryptostegia* sp. in baggage from Mexico; *Hypera* sp., near *murinus* (F.), (Curculionidae) at San Francisco, Calif., with *Ribes* sp. in mail from Germany; *Laphygma* sp., probably *exempta* (Wlk.), (Phalaenidae) at Honolulu, Hawaii, in an airplane from Kwajalein; *Lecanium* sp. (Coccidae) at San Francisco, Calif., on a plum tree in baggage from Japan. (This is a species not previously reported from Japan and one probably undescribed.) *Lepidosaphes* sp. (Coccidae) was intercepted at San Francisco, Calif., on coconut in mail from Nigeria. (There is a possibility that this actually may be *L. vermiculus* Mamet but it does not fit rigidly his description and figure.) A pyraustid, *Leucinodes* sp., probably *orbonalis* Gn., was intercepted at Philadelphia, Pa., in eggplant in stores from the Gold Coast; *Lixus* sp., probably *junci* Boh., (Curculionidae) at Boston, Mass., in beet in stores from Palestine; a mirid, *Mala* sp., probably a new species, at Laredo, Tex., on a leaf of *Colocasia* sp. in baggage from Mexico; *Megacyllene* sp., near *boliviana* (Chev.) (Cerambycidae) at New York, N. Y., on loosely baled cube root in cargo from Peru; *Midilia* sp. (Schoenobiidae), probably a new species, at Miami, Fla., on philodendron cutting in cargo by air from Colombia; *Niveaspis* sp. (Coccidae), an undescribed species, at Laredo, Tex., on *Laelia* sp. and *Oncidium* sp. in cargo from Mexico; *Cedionychis* sp. (Chrysomelidae), very interesting and not in the collection at the

U. S. National Museum, at Nogales, Ariz., with lettuce in baggage from Mexico; a chrysomelid, *Phyllobrotica* sp. at Seattle, Wash., in soil packing of lily bulbs in cargo from Japan; *Pityogenes* sp., probably *chalcographus* (L.), (Scolytidae) at Seattle, Wash., in bark of a wooden crate in cargo from Czechoslovakia; *Platypus* sp., probably *curtus* Chap., (Platypodidae) at Charleston, S. C., in *Khaya* sp. log in cargo from the Philippines; *Prays* sp. (Hyponomeutidae) at New York, N. Y., in pomelo in stores from Egypt; a coccid, *Pseudonidia* sp., a new species, at San Francisco, Calif., on *Dendrobium* sp. in air freight from Australia; *Reticulitermes* sp., probably *lucifugus* (Rossi), (Rhinotermitidae) at New York, N. Y., in soil around roots of a potted *Jasminum* sp. plant in baggage from Italy; *Taeniothrips* sp., near or equals *gracilis* Mlt., (Thripidae) at Buffalo, N. Y., on *Lycoris* sp. bulbs in cargo from Japan and at Hoboken, N. J., in mail from Japan; *Thrips* sp., nearest *physapus* L., (Thripidae) at Washington, D. C., on a leaf of *Fragaria* sp. in mail from Sweden, a scolytid, *Xyleborus* sp., near or equals *confusus* Eichh., at Charleston, S. C., in *Copaifera hemitomophylla* log in cargo from Costa Rica.

There were 2,178 interceptions distributed among 554 genera, which could be identified to genus only. A total of 116 could be determined to family or subfamily only.

A total of 2,294 incompletely determined insects were intercepted during the year.

#### DISEASES

Incompletely determined fungi on plants collected at the ports of entry during the year were the following suspected pathogens: An actinomycete causing stem galls of azalea at Seattle, Wash., in express from England; *Ascochyta* sp., at Philadelphia, Pa., on orange in stores from the Union of South Africa; *Ascochyta* sp., at Seattle, Wash., on *Viburnum rhytidophyllum* in cargo from France; *Cercospora* sp. at Brownsville, Tex., on palm fronds and snapdragon in cargo from Mexico, on avocado in stores from Mexico, and on mistletoe in baggage from Mexico; *Cercospora* sp. at Laredo, Tex., on orchids in baggage and cargo from Mexico; *Cercospora* sp., at Miami, Fla., on *Cyanoche chlorochilon*, an orchid, in cargo by air from the Canal Zone; *Cercospora* sp., at New York, N. Y., on croton leaf in baggage by air from the Bahamas; *Cercospora* sp., at San Francisco, Calif., on *Miltonia russelliana*, an orchid, in cargo by air from Brazil; *Cercospora* sp., at San Juan, P. R., on a citrus leaf and on leaves of *Eryngium* sp. in baggage in preflight inspection of planes leaving San Juan for the mainland; *Cercosporella* sp., at Seattle, Wash., on *Primula* sp., in mail from British Columbia; *Ceuthospora* sp., at Hoboken, N. J., on mountain laurel leaves in cargo from the Netherlands; *Curvularia* sp., at San Francisco, Calif., on elephant ear in cargo from China; *Cylindrosporium* sp., at San Francisco, Calif., on dry leaf of *Bambusa* sp. in cargo from China and on tree peony in cargo from Japan; *Endoconidiophora* sp., close to *fimbriata* (Ell. & Hals.) Davidson at San Francisco, Calif., on kudzu-bean in cargo from China; *Erwinia* sp. (undescribed) at New York, N. Y., on endive in cargo from Belgium; *Gymnosporangium* sp., at New York, N. Y., on leaves of *Sorbus aucuparia* in baggage by air from Sweden; *Mycosphaerella* sp. at San Juan, P. R., on citrus leaves in baggage in preflight inspection of an airplane leaving San Juan for the mainland; *Mycosphaerella* sp. at New York, N. Y., on leaves of *Arctostaphylos uva-ursi* (bearberry) in baggage from Finland; *Phytophthora* sp., probably of the *cryptogaea* type, at Hoboken, N. J., on *Incarvillea* sp., in cargo from the Netherlands; *Phytophthora* sp., at Hoboken, N. J., on gloxinia in cargo and air express from Belgium; *Plenodomus* sp., at San Francisco, Calif., on snowdrop bulbs in cargo from the Netherlands; *Pseudomonas* sp. (undescribed) at New York, N. Y., on endive in cargo from Belgium; *Sclerotium* sp., at Buffalo, N. Y., on narcissus bulbs in cargo from the Netherlands; *Sclerotium* sp., at Portland, Oregon, on *Tulipa fosteriana* bulb in cargo from the Netherlands; *Sclerotium* sp., at Seattle, Wash., on taro in cargo from China; *Sclerotium* sp., at Philadelphia, Pa., on *Galanthus* sp. bulbs in cargo from the Netherlands; *Sclerotium* sp., at Hoboken, N. J., on *Iris* sp. in air express from Jordan and on *Urceolina miniata* (scarlet pitcherlily) in mail from the Netherlands; *Sclerotium* sp., at New York, N. Y., on lily bulbs and *Muscari* sp. bulbs in cargo from the Netherlands; *Sclerotium* sp. at San Francisco, Calif., on seeds of Japanese aucuba in mail from Italy, on English iris bulbs in mail from England, on *Euphorbia pulcherrima* in mail from Honduras, and on narcissus bulbs in cargo from the Netherlands; *Septoria* sp., at San Antonio, Tex., on palm leaf in cargo by air from Mexico; *Septoria* sp., at Honolulu, Hawaii, on palm in cargo from Truk; *Sphaceloma* sp., at Baltimore, Md., and Boston, Mass., on lemon in stores from the Union of South Africa; *Sphaceloma* sp., at San Pedro, Calif., on



orange in stores from Curacao; *Uredo* sp., at El Paso, Tex., on *Brassavola* sp., an orchid, in cargo by air from Mexico; *Uredo* sp. at Nogales, Ariz., on an orchid in cargo from Mexico; *Uredo* sp. at Brownsville, Tex., on *Diacrium bilamellatum*, an orchid, in cargo by air from the Canal Zone; *Uredo* sp., at Miami, Fla., on *Masdevallia* sp., an orchid, in cargo by air from Costa Rica; *Verticillium* sp., close to *candidum* Pk., at Hoboken, N. J., on corm of *Acidanthera* sp., in cargo from the Netherlands; *Verticillium* sp., at Philadelphia, Pa., on roots of *Alpinia galanga* in stores from India; *Verticillium* sp., at Houston, Tex., on a begonia tuber in cargo from the Netherlands; *Verticillium* sp., at Seattle, Wash., on *Dendrobium* sp., an orchid, in mail from India and on waterchestnut in cargo from China; *Verticillium* sp., at Philadelphia, Pa., on *Lilium* sp. in cargo from the Netherlands.

Nematode interceptions included *Ditylenchus* spp. with lily-of-the-valley pips and various bulbs, including garlic, glory-of-the-snow, colchicum, and iris; *Heterodera* spp. in soil arriving with plants for propagation, vegetables in ships' stores, used bagging, dried roots for pharmaceutical purposes and even Irish shamrocks; *Helicotylenchus* sp., at New York, N. Y., in soil with lily-of-the-valley pips in cargo from Germany and in soil with unidentified plants in baggage from Ireland; *Meloidogyne* sp., probably *incognita* (Kofoid & White) Chitwood at Galveston, Tex., in celery in stores from Jamaica, and in carrots in stores from the Azores at Philadelphia, Pa., in beets in stores from Australia, and in soil with potatoes in stores from the Netherlands; *Rotylenchus* sp., at New York, N. Y., in soil with potatoes in stores from Uruguay, in soil with lily-of-the-valley pips in cargo from Germany, and in soil with peony roots in baggage from Poland; *Rotylenchus* sp., at Mobile, Ala., in soil with coleus plants in quarters from Guatemala and in soil with *Aster* sp. in baggage from Germany; *Rotylenchus* sp., at San Francisco, Calif., in roots of *Convallaria majalis* in mail from France; *Tylenchorhynchus* sp., at Nogales, Ariz., in soil with cactus plants in baggage from Mexico; *Tylenchorhynchus* sp., at Mobile, Ala., in soil on an unidentified plant and on sweetpotato plants in baggage by air from Puerto Rico; *Tylenchus* sp., at New York, N. Y., in soil with lily-of-the-valley pips in cargo from Germany; *Tylenchus* sp., at Washington, D. C., in soil with roots of lily bulbs in mail from England; *Tylenchus* sp., at Mobile, Ala., in soil with *Aster* sp., in baggage from Germany; *Xiphinema* sp., at New York, N. Y., in soil with citrus plants in baggage from Argentina; one interception which could not be identified beyond family (Tylenchidae) was taken at New York, N. Y., in soil with cactus plants in baggage from Italy.

A total of 1,259 incompletely determined pathogens were recorded during the year.

*Graphic summary of interceptions listed in main table and interception totals*

Country	Insect	Disease	Country	Insect	Disease
	Number	Number			
<b>Africa:</b>			<b>Europe—Continued</b>		
Africa (locality unknown).....	1	1	Turkey.....	1	3
Algeria.....	10	0	Wales.....	0	1
British West Africa.....	1	0	Yugoslavia.....	5	2
Canary Islands.....	3	0	<b>North America:</b>		
Egypt.....	11	0	Bermuda.....	20	3
Ethiopia.....	2	0	Canada.....	5	3
French West Africa (?).....	1	0	Canal Zone.....	51	5
Gold Coast.....	10	0	<b>Central America:</b>		
Liberia.....	1	0	British Honduras.....	3	0
Morocco.....	4	0	Colombia.....	14	1
Nigeria.....	2	2	Costa Rica.....	27	23
Union of South Africa.....	32	17	Guatemala.....	30	8
<b>Asia:</b>			Honduras.....	11	4
China.....	8	321	Nicaragua.....	8	0
Cyprus.....	3	1	Panama.....	45	21
Formosa.....	1	0	Salvador.....	17	0
India.....	27	35	Iceland.....	0	1
Indonesia.....	1	1	Mexico.....	716	151
Iraq.....	1	1	<b>West Indies:</b>		
Israel.....	17	2	Antigua.....	2	0
Japan.....	88	184	Aruba.....	2	0
Korea.....	3	0	Bahamas.....	4	4
Lebanon.....	8	0	Barbados.....	8	0
Palestine.....	4	0	British West Indies.....	2	0
Siam.....	4	3	Cuba.....	72	7
Straits Settlements.....	0	3	Curaco.....	2	0
Syria.....	3	1	Dominican Republic.....	13	1
<b>Australasia:</b>			Grand Cayman.....	1	0
American Samoa.....	1	0	Grenada.....*	1	0
Australia.....	20	13	Haiti.....	9	0
Caroline Islands.....	1	0	Jamaica.....	31	0
Ceylon.....	2	2	Montserrat.....	1	0
Fiji Islands.....	1	2	Nevis.....	1	0
Guam.....	11	10	Puerto Rico.....	57	11
Hawaii.....	202	16	St. Kitts.....	3	0
Kwajalein.....	0	2	St. Lucia.....	2	0
Marshall Islands.....	0	11	St. Vincent.....	2	0
New Zealand.....	0	4	Trinidad.....	28	3
Philippines.....	22	8	Virgin Islands.....	6	1
Saipan.....	1	0	<b>South America:</b>		
Tahiti.....	1	1	Argentina.....	1	28
Yap Island.....	0	1	Bolivia.....	0	1
<b>Europe:</b>			Brazil.....	27	90
Austria.....	3	7	Chile.....	7	1
Azores.....	9	3	Ecuador.....	15	1
Belgium.....	8	23	Paraguay.....	0	1
Crete.....	1	0	Peru.....	4	0
Czechoslovakia.....	0	1	South America.....	3	0
Denmark.....	6	8	Uruguay.....	0	2
England.....	45	88	Venezuela.....	32	2
Finland.....	0	1	<b>Total:</b>		
France.....	35	10	Africa.....	78	20
Germany.....	37	24	Asia.....	168	552
Gibraltar (?).....	1	0	Australasia.....	262	77
Great Britain.....	1	0	Europe.....	814	499
Greece.....	16	0	North America.....	1,194	247
Ireland.....	3	23	South America.....	89	126
Isle of Man.....	0	2	Unknown.....	9	3
Italy.....	477	59	<b>Total.....</b>	<b>2,614</b>	<b>1,517</b>
Luxembourg.....	0	1	<b>Total incompletely deter-</b>		
Malta.....	1	0	<b>mined pests.....</b>	<b>2,294</b>	<b>1,259</b>
Netherlands.....	75	139	<b>Total insect interceptions.....</b>	<b>4,908</b>	
Norway.....	2	7	<b>Total disease intercep-</b>		<b>2,776</b>
Poland.....	2	1	<b>tions.....</b>		
Portugal.....	29	3	<b>Grand total.....</b>		<b>7,684</b>
Scotland.....	8	67			
Spain.....	31	5			
Sweden.....	10	13			
Switzerland.....	8	8			

NOTE.—In addition to the countries named above, interceptions were made from American Virgin Islands, Anguilla, Belgian Congo, British Guiana, Burma, Canary Islands, Cape of Good Hope, Cape Verde Islands, French Cameroons, Iran, Jordan, Kenya, Labrador, Leeward Islands, Madeira Islands, Martinique, Mozambique, Natal, Netherlands Guiana, Netherlands West Indies, Newfoundland, Northern Ireland, Nova Scotia, Okinawa, Pakistan, Pretoria, Rhodesia, Sierra Leone, Society Islands, Trust Isles of Pacific, Tunisia, and Truk Island.

*List of pests (insects) collected and reported from July 1, 1950, to June 30, 1951, inclusive*

[An asterisk indicates State inspection]

Insect and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Nonentry	Propagation	
<i>Acalypta parvula</i> (Fall.) (Tingidae): Moss packing around rhododendron scions.....	England.....	1			Wash.
<i>Acanthoderes circumflexa</i> Jaq. Dav. (Cerambycidae): <i>Cyblastar donnell-smithii</i> (primavera).....	Honduras.....	1			N. Y.
<i>Acanthoscelides armitagei</i> (Pic) (Bruchidae): <i>Cajanus cajan</i> (pigeonpea).....	British West Indies, Canal Zone, Puerto Rico.	4			N. J., N. Y.
<i>Acanthoscelides griseolus</i> (Fall) (Bruchidae): <i>Rhynchosia</i> sp.....	Mexico.....			1	D. C.
<i>Acanthoscelides ovelatus</i> Bridw. (Bruchidae): <i>Phaseolus vulgaris</i> .....	Guatemala.....			1	D. C.
<i>Aceria tulipae</i> (Kelf.) (Eriophyidae): <i>Allium sativum</i> (garlic).....	Chile, Mexico.....	3	1		Tex.
<i>Achatina fulica</i> Fer. (Mollusca): In cargo hold.....	Guam.....	1			Calif.*
Returned military equipment.....	Guam, Philippines, Saipan.	8			Calif.*
Scrap iron.....	Guam.....	2			Calif.,* Oreg.
<i>Acrolepia assectella</i> (Zell.) (Hyponomeutidae): <i>Allium porrum</i> (leek).....	Italy, Netherlands.....		5		N. Y.
<i>Acroleucus vicinialis</i> Dist. (Lygaeidae): Orchid.....	Mexico.....			1	Tex.
<i>Adoxophyes orana</i> (F. R.) (Tortricidae): <i>Syringia</i> sp. (lilac).....	Netherlands.....	20			N. Y.
<i>Agallia venosa</i> (Fall.) (Cicadellidae): <i>Hypericum repens</i> (creeping St. Johnswort).....	Switzerland.....			1	N. J.
<i>Aganactesis indecora</i> Dyar (Galleriidae): <i>Cassia fistula</i> (golden-shower).....	Brazil.....	1			N. Y.
<i>Agriotes lineatus</i> L. (Elateridae): Soil from potato bin.....	Denmark.....		1		Pa.
<i>Aleophagus myersi</i> Essig (Aphidae): <i>Aloe</i> sp.....	Ethiopia.....			1	D. C.
<i>Aleurocanthus woglumi</i> Ashby (Aleyrodidae): <i>Citrus aurantifolia</i> (sour lime).....	Mexico.....	8			Tex.
<i>Citrus reticulata</i> (Mandarin orange).....	do.....	3			Tex.
<i>Citrus sinensis</i> (orange).....	Mexico, Peru.....	2	1		Calif.,* Tex.
<i>Citrus</i> sp.....	Mexico.....	3			Tex.
<i>Hibiscus</i> sp.....	do.....			1	Ariz.
<i>Aleurodicus dugessi</i> Ckll. (Aleyrodidae): <i>Begonia</i> sp.....	do.....			1	Tex.
<i>Aleuroglandulus emmae</i> Russell (Aleyrodidae): <i>Cattleya citrina</i> (orchid).....	do.....			1	Tex.
<i>Psidium guajava</i> (guava).....	do.....	1			Tex.
<i>Aleuroparadoxus gardeniae</i> Russell (Aleyrodidae): <i>Citrus</i> sp.....	do.....	1			Tex.
<i>Aleurolobus marlatti</i> (Q.) (Aleyrodidae): <i>Citrus reticulata</i> (Mandarin orange).....	Japan.....		1		Calif.*
<i>Aleuroplatus coccolus</i> Q. (Aleyrodidae): <i>Citrus</i> sp.....	Mexico.....	1			Tex.
<i>Aleuroplatus plumosus</i> (Q.) (Aleyrodidae): <i>Ilex</i> sp. (holly).....	do.....	1			Tex.
<i>Aleurothrix floccosus</i> (Mask.) (Aleyrodidae): <i>Citrus sinensis</i> (orange).....	Dominican Republic.....	1			N. Y.
<i>Citrus</i> sp.....	Bahamas.....	1			Fla.*
<i>Guajacum officinale</i> (lignumvitae).....	Jamaica.....			1	P. R.
<i>Psidium guajava</i> (guava).....	Mexico.....	1			Tex.
<i>Aleurotuberculatus jasmini</i> Takah. (Aleyrodidae): <i>Gardenia</i> sp.....	China.....			1	Calif.*
<i>Aleurotuberculatus similis</i> Takah. (Aleyrodidae): <i>Camellia japonica</i> (camellia).....	Japan.....			1	N. J.
<i>Allantus cinctus</i> (L.) (Tenthredinidae): <i>Malus sylvestris</i> (apple).....	England, Germany, Norway.	3			Calif.,* N. Y.
<i>Rosa</i> sp. (rose).....	England, Germany.....	1		1	N. Y.
<i>Alpheias conspirata</i> Hein. (Galleriidae): <i>Ananas comosus</i> (pineapple).....	Mexico.....	5			Calif.,* La., Tex.

## List of pests (insects) collected and reported from July 1, 1950, to June 30, 1951, inclusive—Continued

[An asterisk indicates State inspection]

Insect and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Nonentry	Propagation	
<i>Amitermes wheeleri</i> (Desn.) (Termitidae):					
<i>Salvia officinalis purpurascens</i> (purple sage)-----	Mexico-----	1			Tex.
<i>Anaphothrips obscurus</i> (Muller) (Thripidae):					
<i>Brassica</i> sp.-----	Ireland-----	1			N. Y.
<i>Anastrepha fraterculus</i> (Wied.) (Tephritidae):					
<i>Citrus sinensis</i> (orange)-----	Argentina-----		1		La.
<i>Prunus persica</i> (peach)-----	Mexico-----	1			Tex.
<i>Anastrepha ludens</i> (Loew) (Tephritidae):					
<i>Citrus aurantifolia</i> (sweet lime)-----	do-----	4			Tex.
<i>Citrus paradisi</i> (grapefruit)-----	Guatemala, Mexico-----	3	1		Fla.,* Tex.
<i>Citrus sinensis</i> (orange)-----	Costa Rica, Guatemala, Mexico, Salvador.	68	14		Ariz., La., S. C., Tex.
<i>Cydonia oblonga</i> (quince)-----	Mexico-----	1			Tex.
<i>Mangifera indica</i> (mango)-----	do-----	23	4		Calif.,* Tex.
<i>Persea americana</i> (avocado)-----	do-----	1			Tex.
<i>Prunus persica</i> (peach)-----	do-----	1			Tex.
<i>Psidium guajava</i> (guava)-----	Nicaragua-----	1			Calif.*
<i>Punica granatum</i> (pomegranate)-----	Mexico-----	1			Tex.
<i>Pyrus communis</i> (pear)-----	do-----	7			Tex.
<i>Sapote</i> -----	do-----	1			Tex.
<i>Anastrepha mombinpraeoptans</i> Sein (Tephritidae):					
<i>Mangifera indica</i> (mango)-----	Canal Zone, Cuba, Dominican Republic, Guatemala, Haiti, Honduras, Jamaica, Mexico, Panama, Puerto Rico, Salvador, Trinidad.	82	11	1	Ala., Calif.,* Fla.,* La., N. Y., Pa., P. R., S. C., Tex.
<i>Spondias mombin</i> (yellow mombin)-----	Guatemala, Mexico, Nicaragua, Panama, Salvador.	8	1		Calif.,* La.
<i>Spondias</i> sp.-----	Puerto Rico, Salvador-----	2			N. Y., Tex.
<i>Anastrepha mombinpraeoptans</i> Sein (?) (Tephritidae):					
<i>Psidium guajava</i> (guava)-----	Honduras-----		1		La.
<i>Anastrepha serpentina</i> (Wied.) (Tephritidae):					
<i>Achras zapota</i> (sapodilla)-----	Guatemala, Nicaragua-----	3	1		Calif.,* La.
<i>Chrysophyllum cainito</i> (star-apple)-----	Panama, Salvador-----	2			La.
<i>Mammea americana</i> (mamey)-----	Mexico-----	5			Tex.
<i>Sapote</i> -----	do-----	1			Calif.
<i>Anastrepha serpentina</i> (Wied.) (?) (Tephritidae):					
<i>Citrus sinensis</i> (orange)-----	Peru-----		1		La.
<i>Anastrepha striata</i> Schiner (Tephritidae):					
<i>Psidium guajava</i> (guava)-----	Salvador, Trinidad-----	2			La., P. R.
<i>Anastrepha suspensa</i> (Loew) (Tephritidae):					
<i>Psidium guajava</i> (guava)-----	Dominican Republic, Jamaica, Puerto Rico.	25			N. Y., P. R.
<i>Ancylostoma stercorea</i> (Zell.) (Phycitidae):					
<i>Cajanus cajan</i> (pigeonpea)-----	Bahamas, Puerto Rico, Trinidad.	5			Fla.,* Md., N. Y., P. R.
<i>Cajanus</i> sp.-----	Canal Zone-----	1			N. J.
<i>Cicer arietinum</i> (chickpea)-----	do-----	1			Fla.*
<i>Anthonomus pomorum</i> (L.) (Curculionidae):					
<i>Malus sylvestris</i> (apple)-----	Germany-----	1			N. Y.
<i>Anthonomus scutellaris</i> Lec. (Curculionidae):					
<i>Prunus</i> sp. (wild plum)-----	Mexico (?)-----	1			Tex.
<i>Anuraphis cynarae</i> (Theob.) (?) (Aphidae):					
<i>Cynara scolymus</i> (globe artichoke)-----	Algeria-----		1		N. Y.
<i>Aonidiella inornata</i> McKenzie (Coccidae):					
<i>Cocos nucifera</i> (coconut)-----	Philippines-----		2		Calif.*
<i>Jasminum sambac</i> (Arabian jasmine)-----	Hawaii-----		1		Calif.*
<i>Aphis rhamni</i> Fons. (?) (Aphidae):					
<i>Ranunculus</i> sp.-----	France-----		1		N. Y.
<i>Apion apricans</i> Hbst. (Curculionidae):					
<i>Ribes</i> sp.-----	Germany-----			1	Calif.*
<i>Apion auctum</i> Sharp (?) (Curculionidae):					
Orchid-----	Guatemala-----			1	Tex.
<i>Apion carduorum</i> Kby. (Curculionidae):					
<i>Cynara cardunculus</i> (cardoon)-----	Italy-----		1		N. Y.
<i>Cynara scolymus</i> (globe artichoke)-----	France, Italy-----		2		N. Y., Pa.



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<i>Apion pomonae</i> F. (?) (Curculionidae):					
<i>Vicia sativa</i> (vetch) .....	France .....	1			Tex.
<i>Apsychomyrmex tristansi</i> Menozzi (Formicidae):					
<i>Philodendron</i> sp. ....	Costa Rica .....			1	Tex.
<i>Arctotheria cataphracta</i> (Olf.) (Coccidae):					
<i>Calluna vulgaris</i> (heather) .....	England .....	1			Ill.
<i>Arge rosae</i> (L.) (Argidae):					
<i>Rosa</i> sp. ....	Germany .....	1			N. Y.
<i>Argyroplote leucotreta</i> Meyr. (Olethreutidae):					
<i>Citrus limon</i> (lemon) .....	Union of South Africa .....		1		Tex.
<i>Citrus reticulata</i> (Mandarin orange) .....	do .....		1		Md.
<i>Citrus sinensis</i> (orange) .....	do .....		2		Md., Pa.
<i>Aspidiotus abietis</i> (Schr.) (Coccidae):					
<i>Pinus sylvestris</i> (Scotch pine) .....	Germany .....			1	N. Y.
<i>Aspidiotus corticis-pini</i> Ldgr. (Coccidae):					
<i>Pinus</i> sp. (pine) .....	Japan .....			1	Calif.*
<i>Aspidiotus coryphae</i> Kkll. & Rob. (Coccidae):					
<i>Cocos nucifera</i> (coconut) .....	Philippines .....		2		Calif.*
<i>Aspidiotus destructor</i> Sign. (Coccidae):					
<i>Cocos nucifera</i> (coconut) .....	Canal Zone, Costa Rica, Mexico, Nigeria, Panama, Philippines. ....	6	1		Calif.*
<i>Garcinia mangostana</i> (mangosteen) .....	India .....	1			N. Y.
<i>Musa paradisiaca</i> (plantain) .....	Cuba .....	1			N. Y.
<i>Musa paradisiaca sapientum</i> (banana) .....	Panama .....	1			Calif.*
Orchid .....	Canal Zone .....			1	Fla.
<i>Persea americana</i> (avocado) .....	Cuba .....	2			N. Y.
<i>Aspidiotus excisus</i> Green (Coccidae):					
<i>Cocos nucifera</i> (coconut) .....	Philippines .....	1			Calif.*
<i>Aspidiotus herculeanus</i> (Kkll. & Hadd.) (Coccidae):					
Palm .....	Mexico .....	1			Calif.*
<i>Aspidiotus pseudomeyeri</i> Kuw. (Coccidae):					
<i>Cedrus</i> sp. ....	Japan .....			1	Calif.*
<i>Aspidiotus pyri</i> Light. (Coccidae):					
<i>Malus sylvestris</i> (apple) .....	Germany .....	1			Fla.
<i>Asterolecanium bambusae</i> (Bdv.) (Coccidae):					
Bamboo .....	Barbados .....	1			P. R.
<i>Asterolecanium epidendri</i> (Bouche) (Coccidae):					
<i>Burlingtonia</i> sp. (orchid) .....	Trinidad .....			1	N. J.
<i>Cattleya dowiana</i> (orchid) .....	Costa Rica .....			1	Calif.*
<i>Cattleya lueddemanniana</i> (orchid) .....	Venezuela .....			1	N. J.
<i>Cattleya</i> sp. ....	British Honduras, Venezuela. ....			2	N. J., Tex.
<i>Laelia</i> spp. (orchid) .....	Mexico .....			1	Calif.*
Leaf—unidentified .....	do .....	1			Calif.*
Orchid .....	Canal Zone, Costa Rica, Cuba, Jamaica, Panama, Venezuela. ....			10	Fla., Tex., Wash.
<i>Vanda</i> sp. (orchid) .....	Cuba .....			1	Calif.*
<i>Asterolecanium miliaris miliaris</i> (Bdv.) (Coccidae):					
Bamboo .....	Barbados, Cuba .....	2		1	Mass., P. R., Tex.
<i>Asterolecanium stentae</i> Brain (Coccidae):					
<i>Anacampseros</i> sp. ....	Union of South Africa .....			1	Calif.*
<i>Asterolecanium truncatum</i> Russell (Coccidae):					
<i>Attalea</i> sp. (palm) .....	Costa Rica .....			1	N. J.
<i>Aulacaspis tubercularis</i> Newst. (Coccidae):					
<i>Mangifera indica</i> (mango) .....	Barbados, Mexico, Venezuela. ....	4			N. Y., Tex.
<i>Bostrychoplites cornutus</i> (Oliv.) (Bostrichidae):					
<i>Khaya</i> sp. ....	Union of South Africa .....	2			La.
<i>Brachycerus albidentatus</i> Gyll. (Curculionidae):					
<i>Allium sativum</i> (garlic) .....	Italy .....	17	2		La., Mass., N. Y.
<i>Brachycerus algeris</i> (F.) (Curculionidae):					
<i>Allium sativum</i> .....	Italy, Spain .....	12	2		N. Y., Tex.
<i>Brachyrhinus ovatus</i> (L.) (Curculionidae):					
Soil around rose bush .....	Poland .....			1	N. Y.

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<i>Brachyrhinus porcatus</i> (Hbst.) (Curculionidae): Soil and moss packing around <i>Quercus</i> sp.	Switzerland			1	N. J.
<i>Brachyrhinus rugosostriatus</i> (Goeze.) (Curculionidae): Soil and moss packing around <i>Quercus</i> sp.	do.			2	N. J.
Soil around <i>Saxifraga</i> sp.	do.			1	N. J.
<i>Brachyrhinus singularis</i> (L.) (Curculionidae): Woods moss packing around <i>Crataegus</i> spp.	Scotland			1	N. J.
<i>Brachyrhinus sulcatus</i> (F.) (Curculionidae): <i>Begonia</i> sp.	Belgium			1	N. J.
<i>Bruchus erri</i> Froel. (Bruchidae): <i>Allium sativum</i> (garlic)	Italy	1			N. Y.
<i>Bruchus luteicornis</i> Ill. (Bruchidae): <i>Vicia angustifolia</i> (narrow leaf vetch)	France	1			Pa.
<i>Vicia sativa</i> (vetch)	France, Germany	2			Tex., Va.
<i>Bruchus rufipes</i> Hbst. (Bruchidae): <i>Lens culinaris</i> (lentil)	Iraq			1	D. C.
<i>Bruchus signaticornis</i> Gyll. (Bruchidae): <i>Lens culinaris</i>	Italy	2			N. Y.
<i>Bruchus tristis</i> Boh. (Bruchidae): <i>Vicia</i> sp.	Belgium			1	N. J.
<i>Cacoecia pronubana</i> (Hbn.) (Tortricidae): <i>Chrysanthemum</i> sp.	England		1		N. Y.
<i>Dianthus</i> sp. (carnation)	France	1			N. Y.
<i>Fragaria</i> sp. (strawberry)	Italy			1	N. Y.
<i>Laurus nobilis</i> (Grecian laurel)	England		2		N. Y.
<i>Rosa</i> sp.	Italy			1	N. J.
<i>Callidium aeneum</i> Deg. (Cerambycidae): Wood crating	Denmark, Germany, Sweden	3			Calif.*
<i>Callosobruchus ademptus</i> (Sharp) (Bruchidae): <i>Pueraria thunbergiana</i> (kudzu-bean)	Korea			1	D. C.
<i>Callosobruchus phaseoli</i> (Gyll.) (Bruchidae): Bean	St. Vincent	1			Mass.
<i>Dolichos lablab</i> (hyacinth-bean)	Philippines			1	Wash.
<i>Capitophorus carduinus</i> (Wlk.) (Aphidae): <i>Cirsium</i> sp. (thistle)	Canada	1			Minn.
<i>Capitophorus formosanus</i> Takah. (Aphidae): <i>Chrysanthemum</i> sp.	Japan	1			Wash.
<i>Carbula trisignata</i> (Germar) (Pentatomidae): <i>Vitis</i> sp. (grape)	Union of South Africa	2			N. Y.
<i>Carposina sasakii</i> Mats. (Carpodiniidae): <i>Pyrus communis</i> (pear)	China	2			Alaska, Hawaii.
<i>Caryedon fuscus</i> (Goeze) (Bruchidae): <i>Cassia javanica</i> (appleblossom senna)	Hawaii			1	D. C.
<i>Tamarindus indica</i> (tamarind)	Jamaica, Philippines	3			Calif., * Fla.*
<i>Catolothrus ebeninus</i> Champ. (Curculionidae): <i>Tillandsia</i> sp.	Mexico			1	Tex.
<i>Ceratitis capitata</i> (Wied.) (Tephritidae): <i>Annona</i> sp.	Portugal	1			Mass.
<i>Citrus limon</i> (lemon)	Azores, Italy	5			Mass., N. Y.
<i>Citrus paradisi</i> (grapefruit)	Cyprus, Egypt, Gibraltar (?), Israel, Palestine, Spain.		12		Ala., Md., Mass., Mich., N. Y., Pa., S. C., Tex.
<i>Citrus reticulata</i> (Mandarin orange)	Algeria, Azores, Israel, Italy, Portugal, Spain, Africa, Algeria, Azores, Cyprus, Greece, Israel, Italy, Lebanon, Malta, Palestine, Portugal, Spain, unknown.	9	4		Md., Mass., N. Y., P. R.
<i>Citrus sinensis</i> (orange)		28	26		Mass., N. Y., Pa., Tex., Va.
<i>Coffea</i> sp. (coffee)	Hawaii	1			Calif.*
<i>Cydonia oblonga</i> (quince)	Italy	6			N. Y.
<i>Diospyros</i> sp. (persimmon)	do.	3			N. Y.
<i>Ficus carica</i> (fig)	Greece, Italy, Lebanon	10	2		Mass., N. Y.
<i>Malus sylvestris</i> (apple)	Azores, Italy, Portugal	4			N. Y.

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<i>Ceratitis capitata</i> —Continued					
<i>Opuntia compressa</i> (pricklypear).....	Italy.....	11	---	---	Mass., N. Y.
<i>Opuntia</i> sp.....	do.....	2	---	---	Ill., N. Y.
<i>Persea americana</i> (avocado).....	Portugal.....	1	---	---	N. Y.
<i>Prunus armeniaca</i> (apricot).....	Greece, Lebanon, Portugal.....	2	3	---	Ill., Mass., N. Y.
<i>Prunus persica</i> (peach).....	Azores, France, Italy, Palestine, Portugal, Spain.....	11	4	---	Mass., N. Y.
<i>Prunus persica nectarina</i> (nectarine).....	Italy.....	1	---	---	N. Y.
<i>Psidium guajava</i> (guava).....	Israel.....	1	---	---	N. Y.
<i>Punica granatum</i> (pomegranate).....	Greece, Italy.....	2	---	---	N. Y.
<i>Pyrus communis</i> (pear).....	Italy, Portugal, Syria.....	7	2	---	Mass., N. Y.
<i>Vitis</i> sp. (grape).....	Italy.....	1	---	---	N. Y.
With oranges, grapes, and plums abandoned on pier.....	do.....	1	---	---	N. Y.
<i>Ceratitis capitata</i> (Wied.) (?) (Tephritidae):					
<i>Citrus sinensis</i> (orange).....	Unknown.....	---	1	---	N. Y.
<i>Prunus domestica</i> (plum).....	Italy.....	1	---	---	Mass.
<i>Ceroplastes ceriferus</i> (And.) (Coccidae):					
<i>Camellia japonica</i> (camellia).....	Japan.....	---	2	---	Hawaii, N. Y.
<i>Ceroplastes japonicus</i> Green (Coccidae):					
<i>Laurus nobilis</i> (Grecian laurel).....	France.....	1	---	---	N. Y.
<i>Ceroplastes rubens</i> Mask. (Coccidae):					
<i>Anthurium</i> sp.....	Hawaii.....	---	---	2	Calif.*
<i>Chaenomeles</i> sp. (flowering quince).....	Japan.....	---	---	1	Calif.*
<i>Crataegus</i> sp.....	do.....	---	---	1	Calif.*
<i>Diospyros kaki</i> (kaki persimmon).....	do.....	---	---	1	Calif.*
<i>Gardenia augusta</i> (gardenia).....	Hawaii.....	1	---	---	Calif.*
<i>Grammatophyllum</i> sp. (orchid).....	Guam.....	---	---	1	Hawaii.
<i>Ceroplastes rusci</i> (L.) (Coccidae):					
<i>Ficus carica</i> (fig).....	Greece, Italy.....	3	---	2	Mich., N. Y.
<i>Ceutorhynchus contractus</i> (Marsh) (Curculionidae):					
Woods moss packing around <i>Crataegus</i> spp.....	Scotland.....	---	---	1	N. J.
Woods moss packing around cut flowers.....	England.....	1	---	---	Ill.
<i>Ceutorhynchus erysimi</i> (F.) (Curculionidae):					
Woods moss packing around cut flowers.....	do.....	1	---	---	Ill.
<i>Chaetanaphothrips orchidii</i> (Mlt.) (Thripidae):					
<i>Citrus sinensis</i> (orange).....	Portugal.....	---	1	---	Mass.
<i>Chalcodermus dentiferus</i> Faust (Curculionidae):					
<i>Ananas comosus</i> (pineapple).....	Mexico.....	1	---	---	Tex.
<i>Chalcophana fervida</i> Suffr. (Chrysomelidae):					
Straw packing.....	Cuba.....	1	---	---	Fla.*
<i>Chilo simplex</i> (Btlr.) (Crambidae):					
<i>Oryza sativa</i> (rice).....	Japan.....	5	1	---	Calif.,*N. Y., Oreg., Wash.
" <i>Chionaspis</i> " <i>indigoferae</i> Hall (Coccidae):					
<i>Ceropegia</i> sp.....	Union of South Africa.....	---	---	1	Calif.*
<i>Stapelia pedunculata</i> (orchid).....	do.....	---	---	1	Calif.*
" <i>Chionaspis</i> " <i>stanotophri</i> Cooley (Coccidae):					
<i>Asparagus plumosus</i> (fern asparagus).....	Egypt.....	1	---	---	Mass.
<i>Chrysomphalus agavis</i> (Townsend & Ckll.) (Coccidae):					
<i>Yucca</i> sp.....	Mexico.....	1	---	---	Tex.
<i>Chrysomphalus diversicolor</i> Green (Coccidae):					
Orchid.....	Portugal.....	---	---	1	N. Y.
<i>Chrysomphalus nigropunctatus</i> (Ckll.) (Coccidae):					
<i>Philodendron selloum</i> .....	Guatemala.....	---	---	1	P. R.
<i>Chrysomphalus nulliporus</i> McKenzie (Coccidae):					
<i>Coelogyne remediosae</i> (orchid).....	Philippines.....	---	---	1	Hawaii.
<i>Dendrobium lyonii</i> (orchid).....	do.....	---	---	1	Calif.*
<i>Chrysomphalus odontoglossi</i> (Ckll.) (Coccidae):					
Stern—unknown.....	Jamaica.....	---	---	1	Hawaii.
<i>Chrysomphalus paulistus</i> (Hempel) (Coccidae):					
<i>Laurus nobilis</i> (Grecian laurel).....	Brazil.....	---	---	1	N. Y.
<i>Laurus</i> sp.....	do.....	---	---	1	N. Y.



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<i>Chrysomphalus personatus</i> (Comst.) (Coccidae):					
<i>Citrus sinensis</i> (orange)-----	Brazil, Mexico, Trinidad	1	2	---	Calif.* Tex.
<i>Cocos nucifera</i> (coconut)-----	Mexico	1	---	---	Calif.*
<i>Laurus nobilis</i> (Grecian laurel)-----	Brazil	---	1	---	N. Y.
Leaf—unknown-----	Mexico	---	2	---	Tex.
<i>Mangifera indica</i> (mango)-----	do	1	---	---	Tex.
<i>Chrysomphalus ritchiei</i> (Green & Laing) (Coccidae):					
<i>Calocarpum sapota</i> (sapote)-----	Canal Zone	---	1	---	Calif.*
<i>Chrysomphalus sphaeroides</i> (Ckll.) (Coccidae):					
Palm-----	Mexico	1	---	---	Tex.
<i>Philodendron</i> sp.-----	do	---	1	---	Tex.
<i>Chrysomphalus tenax</i> (McKenzie) (Coccidae):					
<i>Cattleya</i> spp. (orchid)-----	Guatemala	---	1	---	Calif.*
<i>Epidendrum stamfordianum</i> (orchid)-----	Honduras	---	1	---	N. J.
<i>Epidendrum</i> sp.-----	Cuba	---	1	---	Calif.*
Orchid-----	do	---	1	---	Calif.*
<i>Philodendron lacerum</i> -----	Guatemala	---	1	---	N. J.
<i>Philodendron</i> sp.-----	Mexico	---	1	---	Tex.
<i>Schomburgkia tibicinis</i> (orchid)-----	Cuba	---	1	---	Calif.*
<i>Chrysomphalus tingi</i> (McKenzie) (Coccidae):					
<i>Cocos nucifera</i> (coconut)-----	Mexico, Philippines	2	---	---	Calif.*
<i>Chrysomphalus umboniferus</i> (Newst.) (Coccidae):					
<i>Anthurium</i> sp.-----	Guatemala	---	1	---	Fla.
<i>Cattleya</i> sp. (orchid)-----	Costa Rica	---	1	---	Tex.
<i>Musa paradisiaca sapientum</i> (banana)-----	Panama	1	---	---	Calif.*
Orchid-----	Canal Zone, Guatemala, Mexico, St. Lucia.	---	4	---	Fla., Tex.
<i>Cleogonus armatus</i> Champ. (Curculionidae):					
Orchid-----	Canal Zone	---	1	---	Tex.
<i>Clerada apicornis</i> Sign. (Lygaeidae):					
Orchid-----	Mexico	---	1	---	Tex.
<i>Cnephasia virgaureana</i> (Treits.) (Tortricidae):					
<i>Chrysanthemum maximum</i> -----	England	---	1	---	N. J.
<i>Coccidella americana</i> (Hambl.) (Coccidae):					
<i>Isoloma</i> sp.-----	South America	---	1	---	N. J.
<i>Coccotrypes dactyliperda</i> (F.) (Scolytidae):					
<i>Phoenix rupicola</i> (cliff date palm)-----	India	---	1	---	N. J.
Seed—unidentified-----	Hawaii	---	1	---	Calif.*
<i>Coccus viridis</i> (Green) (Coccidae):					
<i>Coffea</i> sp. (coffee)-----	Cuba	1	---	---	Fla.*
<i>Ficus pandurata</i> (fiddleleaf fig)-----	Puerto Rico	---	1	---	Calif.*
<i>Gardenia augusta</i> (gardenia)-----	Cuba, Guatemala, Hawaii, Venezuela.	32	2	1	Calif.,* Fla., Fla.,*N.Y.
<i>Ixora macrothyrsa</i> (Malay ixora)-----	Panama	1	---	---	N. Y.
<i>Coeliodes rubicundus</i> Hbst. (Curculionidae):					
<i>Rhododendron</i> sp.-----	England	---	1	---	Wash.
<i>Conchaspis angraci</i> Ckll. (Coccidae):					
<i>Epidendrum</i> sp. (orchid)-----	Mexico	---	1	---	Tex.
<i>Hibiscus</i> sp.-----	Bermuda	2	---	---	N. Y.
<i>Oncidium ampliatum</i> (orchid)-----	Canal Zone	---	1	---	Tex.
Orchid-----	Canal Zone, Cuba, Mexico.	---	4	---	Fla., N. Y., Tex.
<i>Conotrachelus aguacatae</i> Barber (Curculionidae):					
<i>Persea americana</i> (avocado)-----	Mexico	154	---	---	Tex.
<i>Conotrachelus perseae</i> Barber (Curculionidae):					
<i>Persea americana</i> (avocado)-----	do	3	---	---	Tex.
<i>Cordylomera spinicornis</i> (F.) (Cerambycidae):					
<i>Khaya</i> sp.-----	Nigeria	1	---	---	Pa.
Log-----	Gold Coast	2	---	---	Va.
<i>Cosmopolites sordidus</i> (Germ.) (Curculionidae):					
<i>Musa paradisiaca sapientum</i> (banana)-----	Nicaragua	1	---	---	Fla.*
<i>Cryptoblabes gnidiella</i> (Mill.) (Phycitidae):					
Branch—unknown-----	Bermuda	1	---	---	Va.
<i>Citrus limon</i> (lemon)-----	Italy	1	1	---	N. Y., Pa.
<i>Citrus sinensis</i> (orange)-----	Italy, Spain	1	1	---	N. Y., Va.
Cycadaceae-----	Bermuda	1	---	---	N. Y.
<i>Malus sylvestris</i> (apple)-----	Portugal	---	1	---	Mass.
Plant—unknown-----	Egypt	---	1	---	N. J.



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<i>Cryptoblabes gnidiella</i> —Continued.					
<i>Punica granatum</i> (pomegranate)-----	Greece, Italy, Lebanon, Palestine.	11	---	---	Mass., N. Y.
<i>Vitis</i> sp. (grape)-----	Italy, Spain-----	1	1	---	N. Y., P. R.
<i>Cryptorhynchus mangiferae</i> F. (Curculionidae):					
<i>Mangifera indica</i> (mango)-----	Hawaii, India-----	18	7	2	Calif.,* N. Y.
<i>Curculio elephas</i> (Gyll.) (Curculionidae):					
<i>Castanea</i> sp. (chestnut)-----	Azores, France, Italy, Portugal, Spain, Turkey, Yugoslavia.	101	1	1	D. C., Ill., Mass., N. Y., Pa.
<i>Curculio nucum</i> L. (Curculionidae):					
<i>Corylus avellana</i> (filbert)-----	Germany, Italy-----	3	---	---	Mass., N. Y.
<i>Cylas femoralis</i> Faust (Curculionidae):					
<i>Ipomoea batatas</i> (sweetpotato)-----	Liberia-----	1	---	---	Va.
<i>Cylas formicarius elegantulus</i> (Summers) (Curculionidae):					
<i>Ipomoea batatas</i> (sweetpotato)-----	Cuba, Haiti, Jamaica, Mexico, Puerto Rico, Virgin Islands.	25	5	---	Fla.,* La., N. Y., P. R., S. C., Tex.
<i>Cyrtopeltis varians</i> (Dist.) (Miridae):					
<i>Antirrhinum majus</i> (snapdragon)-----	Bermuda-----	1	---	---	N. Y.
<i>Dacus cucurbitae</i> (Coq.) (Tephritidae):					
<i>Cucumis sativus</i> (cucumber)-----	Hawaii-----	1	1	---	Calif.*
<i>Lycopersicon esculentum</i> (tomato)-----	do-----	---	8	---	Ala., Calif.,* Oreg.
<i>Dacus cucurbitae</i> (Coq.) (?) (Tephritidae):					
<i>Cucumis sativus</i> (cucumber)-----	do-----	---	1	---	Wash.
<i>Dacus dorsalis</i> Hend. (Tephritidae):					
<i>Cucumis sativus</i> (cucumber)-----	do-----	1	---	---	Calif.*
<i>Lycopersicon esculentum</i> (tomato)-----	do-----	---	2	---	Calif.*
<i>Mangifera indica</i> (mango)-----	do-----	3	---	---	Calif.*
<i>Musa paradisiaca sapientum</i> (banana)-----	do-----	1	4	---	Calif.*
<i>Persea americana</i> (avocado)-----	do-----	1	---	---	Calif.*
<i>Dacus dorsalis</i> Hend. (?) (Tephritidae):					
<i>Mangifera indica</i> (mango)-----	Fiji Islands-----	---	1	---	Hawaii.
<i>Musa paradisiaca sapientum</i> (banana)-----	Hawaii-----	1	---	---	Calif.*
<i>Ochrosia elliptica</i> -----	do-----	1	---	---	Calif.*
<i>Dacus oleae</i> (Gmel.) (Tephritidae):					
<i>Olea europaea</i> (olive)-----	Crete, Greece, Italy, Lebanon, Syria.	45	2	---	Ill., La., Mass., N. Y., Tex
<i>Dacus oleae</i> (Gmel.) (?) (Tephritidae):					
<i>Olea europaea</i> (olive)-----	Algeria-----	---	1	---	Tex.
<i>Dendroctonus mexicanus</i> Hopk. (Scolytidae):					
<i>Pinus montezumae</i> (Montezuma pine)-----	Mexico-----	---	---	1	Calif.*
<i>Pinus pseudostrobus</i> -----	do-----	---	---	1	Calif.*
<i>Deroceas reticulatum</i> (Muller) (Mollusca):					
<i>Apium graveolens</i> (celery)-----	Bermuda-----	---	1	---	N. Y.
<i>Brassica oleracea capitata</i> (cabbage)-----	Italy-----	---	1	---	Tex.
<i>Cattleya</i> sp. (orchid)-----	Venezuela-----	---	---	1	Fla.
<i>Chrysanthemum</i> sp-----	England-----	---	---	1	N. Y.
Plant—unknown-----	Italy-----	1	---	---	N. Y.
<i>Dialeurodes chittendeni</i> Laing (Aleyrodidae):					
<i>Rhododendron</i> sp-----	Netherlands-----	---	---	1	N. J.
<i>Dialeurodes citri</i> (Ashm.) (Aleyrodidae):					
<i>Citrus</i> sp-----	Mexico-----	2	---	---	Tex.
<i>Gardenia augusta</i> (gardenia)-----	Hawaii, Mexico-----	2	---	---	Calif.,* Tex.
<i>Dialeurodes citrifolii</i> (Morg.) (Aleyrodidae):					
<i>Citrus</i> sp-----	Bahamas-----	1	---	---	Fla.*
<i>Gardenia augusta</i> (gardenia)-----	Costa Rica-----	---	---	1	Fla.
<i>Dialeurodes kirkaldyi</i> (Kot.) (Aleyrodidae):					
<i>Gardenia</i> sp-----	China-----	---	---	1	Calif.*
<i>Jasminum sambac</i> (Arabian jasmine)-----	Hawaii, Philippines-----	---	---	2	Calif.*
<i>Diatraea busckella</i> Dyar & Hein. (Crambidae):					
<i>Saccharum officinarum</i> (sugarcane)-----	Venezuela-----	1	---	---	N. Y.
<i>Dicyphus annulatus</i> (Wolff) (Miridae):					
<i>Lactuca sativa</i> (lettuce)-----	Sweden-----	---	1	---	N. Y.

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<i>Dinoderus bifoveolatus</i> (Woll.) (Bostrichidae):					
<i>Derris</i> sp. ....	Brazil .....	1			N. Y.
<i>Lonchocarpus</i> sp. ....	do .....	1			N. Y.
Palm mats .....	Gold Coast .....		1		Tex.
<i>Phoenix dactylifera</i> (date) .....	China .....	1			N. Y.
<i>Dinoderus brevis</i> (Horn) (Bostrichidae):					
Bamboo .....	India, Japan .....	2			Va.
<i>Diorymerellus laevimargo</i> Champ. (Curculionidae):					
Orchid .....	Mexico .....			7	Tex.
<i>Draeculacephala lenticula</i> Ball (Cicadellidae):					
<i>Copaifera hemitomophylla</i> ("cative") .....	Costa Rica .....	2			S. C.
<i>Draeculacephala minerva</i> Ball (Cicadellidae):					
<i>Lactuca sativa</i> (lettuce) .....	Mexico .....	1			Ariz.
<i>Drymus assimilis</i> Horvath (Lygaeidae):					
Moss packing around rhododendron scions .....	England .....			1	Wash.
<i>Dryocoetes autographus</i> (Ratz.) (Scolytidae):					
<i>Pinus</i> sp. (pine) .....	Germany .....	1			N. Y.
<i>Dryocoetes septentrionis</i> (Mann.) (Scolytidae):					
<i>Pinus</i> sp. (pine) .....	Canada .....			1	Tex.
<i>Dryophthorus pusillus</i> Sharp (Curculionidae):					
Fern log .....	Hawaii .....	1			Wash.
<i>Dysdercus mimulus</i> Hussey (Pyrrhocoridae):					
<i>Gardenia augusta</i> (gardenia) .....	Mexico .....	1			Tex.
<i>Lycopersicon esculentum</i> (tomato) .....	do .....	1			Tex.
Palm .....	do .....	1			Tex.
<i>Dyspessa utula</i> (Bkh.) (Cossidae):					
<i>Allium sativum</i> (garlic) .....	Italy .....	7			N. Y.
<i>Epicaerus cognatus</i> Sharp (Curculionidae):					
<i>Solanum tuberosum</i> (potato) .....	Mexico .....	2	2		Tex.
<i>Epidiaspis picicola</i> (del Guer.) (Coccidae):					
<i>Malus sylvestris</i> (apple) .....	France .....		1		N. Y.
<i>Prunus domestica</i> (plum) .....	Yugoslavia .....			1	D. C.
<i>Prunus persica nectarina</i> (nectarine) .....	Chile .....	1			N. Y.
<i>Epinotia opposita</i> Hein. (Olethreutidae):					
<i>Phaseolus vulgaris</i> var. (string bean) .....	Mexico, Peru .....	18	2		La., Tex.
<i>Epinotia tessulatana</i> (Stgr.) (Olethreutidae):					
<i>Cupressus lusitanica</i> (Portuguese cypress) .....	Portugal .....	1			N. Y.
<i>Ereunetis flavistriata</i> Wlsm. (Tineidae):					
<i>Cocos nucifera</i> (coconut) .....	Hawaii .....	1			Hawaii.
<i>Ethmia festiva</i> Busck (Ethmiidae):					
Cabin of airplane .....	Mexico .....			1	Tex.
<i>Eucalymnatus tessellatus</i> (Sign.) (Coccidae):					
<i>Gardenia augusta</i> (gardenia) .....	do .....	1			Tex.
<i>Euetheola bidentata</i> (Burm.) (Scurabaeidae):					
<i>Ananas comosus</i> (pineapple) .....	do .....	1			Tex.
<i>Euphilippia olivina</i> Berl. & Silv. (Coccidae):					
<i>Olea europaea</i> (olive) .....	Italy .....	1			Mass.
<i>Euphyllura olivina</i> (Costa) (Psyllidae):					
<i>Olea europaea</i> (olive) .....	do .....	1			N. Y.
<i>Eurythmia santiagella</i> Dyar (Phycitidae):					
<i>Ananas comosus</i> (pineapple) .....	Cuba .....	1			N. Y.
<i>Eurytoma orchidearum</i> (Westw.) (Eurytomidae):					
<i>Cattleya</i> sp. (orchid) .....	Brazil, Colombia, Trinidad, Venezuela .....			14	Fla., N. J.
Orchid .....	Colombia, Venezuela .....			7	Fla.
<i>Euscepes postfasciatus</i> (Fairm.) (Curculionidae):					
<i>Ipomoea batatas</i> (sweetpotato) .....	Brazil, Hawaii, Trinidad, Virgin Islands .....	2	6		Ala., Ga., La., Md., N. Y., P. R.
<i>Eures comyntas</i> (Godart) (Lycaenidae):					
<i>Phaseolus vulgaris</i> var. (string bean) .....	Mexico .....	4			Tex.
<i>Eurgestis forficalis</i> (L.) (Pyraustidae):					
<i>Brassica oleracea capitata</i> (kale) .....	Ireland .....			1	N. Y.
<i>Brassica oleracea botrytis</i> (cauliflower) .....	Netherlands .....			1	N. Y.
<i>Brassica oleracea capitata</i> (cabbage) .....	France .....			1	N. Y.
<i>Eurgestis rimosalis</i> (Gn.) (Pyraustidae):					
<i>Rorippa nasturtium aquaticum</i> (watercress) .....	Mexico .....	1			Tex.

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<i>Erophthalmus laetus</i> (Oliv.) (Curculionidae):					
<i>Gladolus</i> sp.	Haiti	1			P. R.
<i>Erophthalmus roseipes</i> (Chev.) (Curculionidae):					
<i>Citrus</i> sp.	Puerto Rico	1			N. Y.
<i>Erosoma lusitanica</i> L. (Chrysomelidae):					
<i>Muscari comosum</i> (cipollino)	Morocco	3			Pa.
<i>Erptochiamera albomaculata</i> (Dist.) (Lygaeidae):					
<i>Acacia farnesiana</i> (huisache)	Mexico	1			Tex.
<i>Ananas comosus</i> (pineapple)	do	2			Tex.
<i>Nerium oleander</i> (oleander)	do	1			Tex.
Orchid	Colombia			1	Fla.
<i>Persea americana</i> (avocado)	Mexico	2			Tex.
<i>Ferrisiana virgata</i> (Ckll.) (Coccidae):					
<i>Cocos nucifera</i> (coconut)	do	1			Calif.*
<i>Delonix regia</i> (royal poinciana)	do			1	Calif.*
<i>Gardenia augusta</i> (gardenia)	Guatemala		1		Fla.*
Plant—unknown	Guam			1	Calif.*
<i>Filippia oleae</i> (Costa) (Coccidae):					
<i>Olea europaea</i> (olive)	Italy	2			N. Y.
<i>Fiorinia nephelii</i> Mask. (Coccidae):					
<i>Melicocca bijuga</i> (mamonchillo)	Cuba	1			N. Y.
<i>Frankliniella cubensis</i> Hood (Thripidae):					
<i>Bryophyllum</i> sp.	Bermuda	1			N. Y.
<i>Coriandrum sativum</i> (coriander)	Puerto Rico	1			N. Y.
<i>Eranthemum nervosum</i>	Bermuda	1			N. Y.
<i>Hibiscus</i> sp.	do	1			N. Y.
<i>Lilium</i> sp.	do	1			N. Y.
<i>Passiflora</i> sp. (passionflower)	do		1		N. Y.
<i>Fundella pellucens</i> (Zell.) (Phytitidae):					
<i>Phaseolus vulgaris</i> var. (string bean)	Cuba		1		Fla.*
<i>Furcaspis biformis</i> (Ckll.) (Coccidae):					
<i>Cattleya trianae</i> (orchid)	Hawaii			1	Calif.*
<i>Cattleya</i> sp.	Hawaii, South America, Venezuela.			7	Calif.,* N. J.
<i>Epidendrum atropurpureum</i> (orchid)	Canal Zone			2	N. J., Tex.
<i>Epidendrum</i> sp.	Canal Zone, Cuba, Honduras.			3	Calif.,* N. J.
<i>Oncidium ampliatum</i> (orchid)	Ceylon			1	N. J.
<i>Oncidium carthaginense</i>	Canal Zone			1	N. J.
<i>Oncidium</i> sp.	Ceylon, Dominican Republic, Guatemala.			3	Calif.,* Fla., N. J.
Orchid	Canal Zone, Colombia, Cuba, Hawaii, Mexico, Panama, Trinidad, Venezuela.			26	Calif.,* Fla., N. Y., P. R., Tex.
<i>Orchis</i> sp. (orchid)	Canal Zone			1	N. J.
Palm	Mexico	3			Tex.
<i>Vanda</i> sp. (orchid)	Hawaii			2	Calif.*
<i>Gargaphia patricia</i> Stal (Tingidae):					
<i>Myrtillocactus geometrizans</i> (cactus)	Mexico			1	Tex.
<i>Gelechia ericetella</i> (Hbn.) (Gelechiidae):					
<i>Calluna vulgaris</i> (heather)	England, Scotland	3			Ill., N. Y.
<i>Genopaschia protomis</i> Dyar (?) (Galleriidae):					
<i>Ananas comosus</i> (pineapple)	Grenada, Montserrat	1	1		Mass., N. Y.
<i>Genuchinus v-notatus</i> Westw. (Scarabaeidae):					
Orchid	Mexico			1	Tex.
<i>Gerstaeckeria mutillaria</i> (Gerst.) (Curculionidae):					
Cactus	do			1	Tex.
<i>Mammillaria applanata</i> (cactus)	do			1	Tex.
<i>Gnorimoschema gudmannella</i> (Wlsm.) (Gelechiidae):					
<i>Capsicum frutescens</i> (pepper)	do	5			Ariz.
<i>Capsicum frutescens grossum</i> (bell pepper)	do	5			Ariz.
<i>Gortyna flavago</i> (Hbn.) (Phalaenidae):					
<i>Dahlia</i> sp.	Norway			1	N. Y.
<i>Sorghum vulgare technicum</i> (broomcorn)	Italy (?)	1			Fla.*
Tuber—unknown	Greece			1	N. Y.



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<i>Gracilaria azaleella</i> Brants (Gracilariidae):					
<i>Rhododendron japonicum</i> (Japanese azalea)-----	Netherlands-----			4	N. J.
<i>Rhododendron</i> sp.-----	Belgium, England, Japan, Netherlands.			8	N. J., Wash.
<i>Grapholitha molesta</i> (Busck) (Olethreutidae):					
<i>Prunus persica</i> (peach)-----	Japan-----	1			Alaska.
<i>Pyrus communis</i> (pear)-----	do-----	1			Wash.
<i>Grapholitha packardii</i> Zell. (Olethreutidae):					
<i>Cydonia oblonga</i> (quince)-----	Mexico-----	1			Tex.
<i>Gymnandrosoma aurantianum</i> DaCosta Lima (Olethreutidae):					
<i>Citrus sinensis</i> (orange)-----	Brazil-----		1		Pa.
<i>Gynaikothrips ficorum</i> (Marchal) (Phlaeothripidae):					
<i>Ficus</i> sp.-----	Cuba-----	1			Fla.*
<i>Haplothrips bagnalli</i> Priesn. (Phlaeothripidae):					
<i>Ornithogalum thyrsoides</i> (chinkerichee)-----	Union of South Africa--	2			N. Y., Pa.
<i>Haplothrips gowdeyi</i> (Frankl.) (Phlaeothripidae):					
<i>Antirrhinum majus</i> (snapdragon)-----	Haiti-----	1			P. R.
<i>Calotropis gigantea</i> (akund calotrope)-----	Hawaii-----	2			Calif.*
<i>Canavalia</i> sp.-----	do-----	1			Calif.*
<i>Daucus carota</i> (Queen-Annes-lace)-----	Haiti-----	1			P. R.
<i>Dianthus</i> sp.-----	Hawaii-----	1			Calif.*
Flowers—unknown-----	Haiti-----	1			P. R.
<i>Helichrysum bracteatum</i> (strawflower)-----	Cuba-----	1			Fla.*
<i>Lathyrus odoratus</i> (sweet pea)-----	Unknown-----		1		Tex.
<i>Mesembryanthemum</i> sp.-----	Hawaii-----	1			Calif.*
<i>Tagetes florida</i> (marigold)-----	India-----		1		N. Y.
<i>Haplothrips gowdeyi</i> (Frankl.) (?) (Phlaeothripidae):					
<i>Begonia nitida</i> -----	Bermuda-----	1			N. Y.
<i>Hemileuca oliviae</i> Ckll. (Saturniidae):					
<i>Cactus</i> -----	Mexico-----			1	Ariz.
<i>Hemimene juliana</i> (Curt.) (Olethreutidae):					
<i>Castanea</i> sp. (chestnut)-----	Italy-----	1			N. Y.
<i>Heterobostrychus aequalis</i> (Waterh.) (Bostrichidae):					
Herb-----	Cuba-----	1			Tex.
<i>Heterobostrychus brunneus</i> (Murray) (Bostrichidae):					
<i>Khaya</i> sp.-----	Union of South Africa--	2			La.
<i>Triplochiton sclerozylon</i> -----	Gold Coast-----	5			La.
<i>Heteropsylla texana</i> Crawl. (Psyllidae):					
<i>Cryptostegia</i> sp.-----	Mexico-----	1			Ariz.
<i>Homotoma ficus</i> (L.) (Psyllidae):					
<i>Ficus carica</i> (fig)-----	Italy-----	1			Mass
<i>Hoplosternus japonicus</i> Har. (Scarabaeidae):					
Cabin of airplane-----	Japan (?)-----		1		Alaska.
<i>Hyadaphis apii</i> Hall (Aphidae):					
<i>Apium graveolens</i> (celery)-----	Algeria-----		1		Tex.
<i>Hydurgops palliatus</i> (Gyll.) (Scolytidae):					
<i>Picea</i> sp. (spruce)-----	Sweden-----	1			N. Y.
<i>Pinus</i> sp. (pine)-----	Germany-----	1			La.
Wooden erate-----	do-----	1			La.
<i>Hypera nigrirostris</i> F. (Curculionidae):					
<i>Heuchers</i> sp. (alumroot)-----	Poland-----			1	N. Y.
Soil around plants-----	England-----			1	N. Y.
Woods moss-----	Belgium-----			1	N. J.
<i>Hypera plantaginis</i> (Deg.) (?) (Curculionidae):					
Moss packing around rhododendrons-----	England-----			1	Wash.
<i>Hypera postica</i> (Gyll.) (Curculionidae):					
<i>Trifolium repens</i> var. (shamrock)-----	Ireland-----	1			N. Y.
Woods moss around <i>Ribes</i> sp. plants-----	Denmark-----			1	N. J.
<i>Icerya aegyptiaca</i> (Doug.) (Coccidae):					
<i>Grevillea</i> sp.-----	American Samoa-----		1		Calif.*
<i>Ips acuminatus</i> (Gyll.) (Scolytidae):					
Bark on dunnage lumber-----	Sweden-----		1		Ala.
<i>Iridomyrmex humilis</i> Mayr (Formicidae):					
<i>Cynara scolymus</i> (globe artichoke)-----	Italy-----	1			N. Y.
<i>Ficus carica</i> (fig)-----	do-----	1			N. Y.
<i>Nerium oleander</i> (oleander)-----	Bermuda-----	1			N. Y.

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<i>Iridomyrmex iniquus</i> Mayr (Formicidae):					
<i>Cattleya</i> sp. (orchid)-----	Venezuela-----			1	N. J.
<i>Philodendron</i> sp.-----	Colombia-----			1	Fla.
<i>Iridomyrmex itoi abbotti</i> Whlr. (Formicidae):					
<i>Prunus cerasus</i> (sour cherry)-----	Japan-----			1	Calif.*
<i>Lampetia equestris</i> (F.) (Syrphidae):					
<i>Lampyris vernalis</i> (spring snowflake)-----	Netherlands-----			1	N. Y.
<i>Narcissus</i> sp.-----	Germany, Italy, Netherlands, Scotland.-----	1		28	Calif.,* Ill., La., Mass., Minn., N.J., N.Y., Pa., Tex.
<i>Ornithogalum thyrsoides</i> (chinkerichee)-----	Union of South Africa-----			1	Calif.*
<i>Lampides boeticus</i> (L.) (Lycaenidae):					
<i>Cajanus cajan</i> (pigeonpea)-----	Hawaii-----	1	1		Calif.,* Mass.
<i>Canavalia</i> sp.-----	do-----	21	1		Calif.*
<i>Lampides boeticus</i> (L.) (?) (Lycaenidae):					
<i>Phaseolus vulgaris</i> var. (string bean)-----	Canary Islands-----			3	La.
<i>Laphygma exempta</i> (Wlk.) (Phalaenidae):					
Airplane-----	Japan, Wake (?)-----			2	Hawaii.
<i>Laspeyresia juliana</i> (Hbn.) (Olethreutidae):					
<i>Castanea</i> sp. (chestnut)-----	Italy-----	1			N. Y.
<i>Laspeyresia nigricana</i> (Sph.) (Olethreutidae):					
<i>Pisum sativum</i> (pea)-----	Portugal-----			1	Ala.
<i>Laspeyresia splendana</i> (Hbn.) (Olethreutidae):					
<i>Castanea</i> sp. (chestnut)-----	Azores, England, France, Italy, Portugal, Spain, Yugoslavia.-----	81	2		Fla.,* Mass., N. Y., Pa.
<i>Laspeyresia strobilella</i> (L.) (Olethreutidae):					
<i>Abies</i> sp. (fir)-----	Germany-----			2	N. Y.
<i>Picea</i> sp. (spruce)-----	do-----	2			N. Y.
<i>Lecanodiaspis dendrobii</i> (Dougl.) (Coccidae):					
Orchid-----	Guatemala, Mexico-----			2	Tex.
<i>Lecanium coryli</i> (L.) (Coccidae):					
<i>Prunus armeniaca</i> (apricot)-----	Greece-----			1	D. C.
<i>Tilia chinensis</i> -----	Denmark-----			1	N. J.
<i>Leperistinus fraxini</i> (Panz.) (Scolytidae):					
<i>Ulmus</i> sp. (?)-----	England-----	1			Calif.*
<i>Lepidosaphes carinata</i> (Ckll.) (Coccidae):					
<i>Philodendron</i> sp.-----	Mexico-----			1	Fla.
<i>Lepidosaphes celtis</i> Kuw. (Coccidae):					
Plant—unknown-----	Japan-----			1	Calif.*
<i>Lepidosaphes conchiformis</i> (Gmel.) (Coccidae):					
<i>Diospyros kaki</i> (kaki persimmon)-----	do-----			1	D. C.
<i>Malus sylvestris</i> (apple)-----	Korea-----	1			Wash.
<i>Lepidosaphes ficus</i> Sign. (Coccidae):					
<i>Ficus carica</i> (fig)-----	Italy, Morocco-----	1		2	D. C., N. Y.
<i>Ficus pandurata</i> (fiddleleaf fig)-----	Puerto Rico-----			1	Calif.*
<i>Ficus</i> sp.-----	Italy-----			1	Calif.*
<i>Lepidosaphes kuwacola</i> Kuw. (Coccidae):					
<i>Paeonia suffruticosa</i> (tree peony)-----	Japan-----			1	Calif.*
<i>Lepidosaphes mcgregori</i> Banks (Coccidae):					
<i>Cocos nucifera</i> (coconut)-----	India-----	1			Calif.*
Palm-----	Philippines-----			1	Fla.
<i>Lepidosaphes pallida</i> (Green) (Coccidae):					
<i>Cupressus</i> sp. (cyprus)-----	Japan-----			2	Calif.*
<i>Juniperus</i> sp.-----	do-----			2	Calif.*
<i>Thuja</i> sp.-----	do-----			1	Calif.*
<i>Lepidosaphes philococcus</i> (Ckll.) (Coccidae):					
<i>Lemnaea coccinea</i> (cactus)-----	Mexico-----			1	Calif.*
<i>Mytillococcus geometrizans</i> (cactus)-----	do-----			1	Ariz.
<i>Lepidosaphes tokionis</i> (Kuw.) (Coccidae):					
<i>Codiaeum variegatum</i> (croton)-----	Canal Zone, Hawaii-----	2		16	Calif.,* Tex.
<i>Lepidosaphes tuberculata</i> Malen. (Coccidae):					
<i>Coelogyne corymbosa</i> (orchid)-----	India-----			1	N. J.
<i>Cymbidium grandiflorum</i> (orchid)-----	do-----			1	N. J.
<i>Cymbidium tracyanum</i> -----	do-----			1	N. J.

## List of pests (insects) collected and reported from July 1, 1950, to June 30, 1951, inclusive—Continued

[An asterisk indicates State inspection]

Insect and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Nonentry	Propagation	
<i>Lepidosaphes tuberculata</i> —Continued.					
<i>Cymbidium</i> sp.-----	Australia, Belgium, England, India.			22	Calif.,* Ha- waii, N. J.
<i>Leptoglossus chilensis</i> Spinola (Coreidae):					
<i>Vitis</i> sp. (grape)-----	Chile-----	2			N. Y.
<i>Leptophobia aripa</i> (Bdv.) (Pieridae):					
<i>Brassica oleracea botrytis</i> (cauliflower)	Mexico-----		1		N. Y.
<i>Leucaspis candida</i> (Targ.) (Coccidae):					
<i>Casuarina</i> sp. (Australian pine)	Greece-----	1			Ill.
<i>Leucaspis cockerelli</i> (de Charmoy) (Coccidae):					
<i>Citrus aurantifolia</i> (sour lime)-----	Canal Zone, Colombia, Costa Rica.	1	5		Calif.*
<i>Citrus aurantium</i> (sour orange) (?)-----	Canal Zone-----	1			Calif.*
<i>Citrus limon</i> (lemon)-----	Panama-----		1		Calif.*
<i>Citrus paradisi</i> (grapefruit)-----	Jamaica, Panama-----		2		Calif.*
<i>Citrus reticulata</i> (Mandarin orange)-----	Salvador-----	1			Calif.*
<i>Citrus sinensis</i> (orange)-----	Canal Zone, Jamaica, Panama.		6		Calif.*
<i>Citrus</i> sp.-----	Salvador-----	1			Calif.*
<i>Leucaspis loewi</i> (Colvée) (Coccidae):					
<i>Casuarina</i> sp. (Australian pine)-----	Greece-----	1			Ill.
<i>Pinus sylvestris</i> (Scotch pine)-----	Germany-----	1	1		N. J., N. Y.
<i>Pinus</i> sp.-----	Austria, Germany, Netherlands.	3			Mass., N.Y.
<i>Lichtensia lutea</i> Ckll. (Coccidae):					
<i>Carica papaya</i> (papaya)-----	Mexico-----	1			Ariz.
<i>Ligyrocoris aurivilliana</i> (Dist.) (Lygaeidae):					
<i>Celosia cristata</i> (cockscorn)	do-----	1			Tex.
<i>Lilioceris lili</i> (Scop.) (Chrysomelidae):					
<i>Lilium candidum</i> (Madonna lily)	France-----		1		N. Y.
<i>Lilium</i> sp.-----	do-----		1		N. Y.
<i>Lineaspis striata</i> (Newst.) (Coccidae):					
<i>Cedrus libani</i> (cedar-of-Lebanon)-----	Israel-----	1			N. Y.
<i>Lineodes integra</i> (Zell.) (Pyraustidae):					
<i>Lycopersicon esculentum</i> (tomato)	Mexico-----	2			Tex.
<i>Liosomaphis berberidis</i> (Kltb.) (Aphidae):					
<i>Berberis gagnepaini</i> (black barberry)	Netherlands-----		1		N. J.
<i>Liriomyza congesta</i> (Beck.) (Agromyzidae):					
<i>Lathyrus odoratus</i> (sweet pea)	Bermuda-----	1			Mass.
<i>Lixus junci</i> Boh. (Curculionidae):					
<i>Beta vulgaris</i> (beet)	Egypt-----		1		Md.
<i>Lochmaea capreae</i> (L.) (Chrysomelidae):					
<i>Calluna vulgaris</i> (heather)-----	Scotland-----	1			N. Y.
<i>Loxostege similalis</i> (Guen.) (Pyraustidae):					
<i>Daucus carota</i> (carrot)-----	Mexico-----	1			Tex.
<i>Lygaeus circulinitus</i> Dist. (Lygaeidae):					
Orchid-----	do-----			1	Tex.
<i>Lygaeus circumplectatus</i> Dist. (Lygaeidae):					
Orchid-----	do-----			2	Tex.
<i>Lygus campestris</i> (L.) (Miridae):					
<i>Cornus alba</i> (tatarian dogwood)	Netherlands-----		1		N. J.
<i>Lygus lucorum</i> (Meyer-Dür) (Miridae):					
<i>Brassica chinensis</i> (Chinese cabbage)	England-----		1		N. Y.
<i>Malocampa punctata</i> (Cram.) (Notodontidae):					
Orchid-----	Mexico-----			1	Ariz.
<i>Mamestra brassicae</i> (L.) (Phalaenidae):					
<i>Brassica oleracea botrytis</i> (cauliflower)	England, France, Netherlands.		4		N. Y., Tex.
<i>Brassica oleracea capitata</i> (cabbage)-----	France, Italy-----		4		N. Y.
<i>Daucus carota</i> (carrot)-----	England, France-----		2		N. Y.
<i>Marcia testulalis</i> (Geyer) (Pyraustidae):					
Airplane-----	Japan-----		1		Alaska.
<i>Cajanus cajan</i> (pigeonpea)-----	Hawaii, Puerto Rico-----	3			Fla., Hawaii, N. Y.
<i>Canavalia</i> sp.-----	Hawaii-----	15			Calif.*
<i>Phaseolus lunatus macrocarpus</i> (lima bean)-----	Cuba-----	2			N. Y.
<i>Phaseolus vulgaris</i> var. (string bean)	Brazil, Hawaii, Puerto Rico, Trinidad.	5	3		Ala., Calif.,* La., Md., N.Y., P.R.



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<i>Masonaphis rhododendri</i> (Wils.) (Aphidae): Rhododendron sp.	Netherlands			1	N. J.
<i>Megalometis chiliensis</i> Boh. (Curculionidae): Vitis sp. (grape)	Chile	1			N. Y.
<i>Megalopyge krugii</i> (Dewitz) (Megalopygidae): Herb	Curacao	1			N. Y.
<i>Megastigmus pistaciae</i> Wlk. (Torymidae): Pistacia sp. (pistache)	Italy	1			N. Y.
<i>Mertila malayensis</i> Dist. (Miridae): Grammatophyllum speciosum (orchid)	Philippines			1	Hawaii.
<i>Metamasius sericeus</i> (Oliv.) (Curculionidae): Musa paradisiaca sapientum (banana)	Costa Rica, Ecuador, Honduras, Panama, Puerto Rico.	46			Calif.,* La., N. Y., Pa., S. C.
<i>Metamasius sericeus carbonarius</i> (Cher.) (Curculionidae): Musa paradisiaca sapientum (banana)	Guatemala	1			La.
<i>Metopoplax ditomoides</i> (Costa) (Lygaeidae): Bark	Portugal	1			Va.
<i>Micrapate labialis</i> Lesne (Bostrichidae): Bamboo	Mexico	1			Ariz.
<i>Microleon longipalpis</i> Butl. (Limacodidae): Alnus sp. (alder)	Japan			1	Wash.
<i>Microplax plagiatus</i> (Fieber) (Lygaeidae): Bark	Portugal	1			Va.
<i>Mimosestes dominicana</i> (Jek.) (Bruchidae): Caesalpinia sp.	Haiti	1			Md.
<i>Monanthia echii</i> (Schrank) (Tingidae): Malus sylvestris (apple)	Syria	1			N. Y.
<i>Monellia costalis</i> (Fitch) (Aphidae): Juglans sp. (walnut)	Mexico	1			Tex.
<i>Monomorium destructor</i> (Jerd.) (Formicidae): Brassica oleracea capitata (cabbage)	Jamaica		1		S. C.
<i>Dioscorea</i> sp. (yam)	St. Kitts	1			Mass.
Soil around camellia plants	Japan		1		Tex.
<i>Tamarindus indica</i> (tamarind)	Indonesia		1		Tex.
<i>Vanda caerulea</i> (orchid)	India, Siam			2	Calif.,* N. J.
<i>Moodna bisinuella</i> Hamp. (Phycitidae): Zea mays (corn)	Mexico	1			Tex.
<i>Mordellistena cattleyana</i> Champ. (Mordellidae): Cattleya sp. (orchid)	Colombia			1	Fla.
Orchid	do			1	Fla.
<i>Morganella longispina</i> (Morg.) (Coccidae): Citrus limon (lemon)	Union of South Africa		1		Calif.*
<i>Mammea americana</i> (mamey)	Guatemala		1		Calif.*
<i>Nerium oleander</i> (oleander)	Bermuda			1	N. Y.
<i>Mormidea collaris</i> Dallas (Pentatomidae): Orchid	Mexico			1	Tex.
<i>Myelois ceratoniae</i> Zell. (Phycitidae): Punica granatum (pomegranate)	Italy	2			N. Y.
<i>Tamarindus indica</i> (tamarind)	Jamaica	1			Fla.*
<i>Myrmica laevinodis</i> Nyl. (Formicidae): Chrysanthemum maximum (shasta daisy)	England			1	N. J.
<i>Myzocallis caryaefoliae</i> (Davis) (Aphidae): Juglans sp. (walnut)	Mexico	1			Tex.
<i>Nasutitermes fulviceps</i> (Silvestri) (Termitidae): Log	Brazil	1			N. Y.
<i>Nasutitermes luzonicus</i> (Oshima) (Termitidae): Truck bed	Philippines	1			Calif.*
<i>Naupactus xanthographus</i> (Germ.) (Curculionidae): Packing around melons	Chile	1			N. Y.
<i>Nematus bergmanni</i> Dahlb. (Tenthredinidae): Rhododendron sp.	Netherlands			1	N. J.
<i>Nemotois violellus</i> Zell. (?) (Adelidae): Gentiana sp.	Austria	1			N. Y.
<i>Neoclytus cacticus</i> Chev. (Cerambycidae): Guajacum officinale (lignumvitae)	Guatemala	1			Calif.*
<i>Neoleucinodes elegantalis</i> (Guen.) (Pyraustidae): Lycopersicon esculentum (tomato)	Mexico	66			Tex.

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<i>Newsteadia floccosa</i> (Deg.) (Coccidae):					
<i>Rhododendron</i> sp. ....	England .....			1	Wash.
<i>Nilotaspis kalli</i> (Green) (Coccidae):					
<i>Prunus armeniaca</i> (apricot) .....	Greece .....			1	D. C.
<i>Noropsis hieroglyphica</i> (Cram.) (Phalaenidae):					
<i>Ananas comosus</i> (pineapple) .....	Mexico .....	2			Tex.
<i>Notochilus damryi</i> Puton (Lygaeidae):					
<i>Ilex</i> sp. (holly) .....	Italy .....			1	N. Y.
<i>Nysius terrestris</i> Usinger (Lygaeidae):					
Orchid .....	Hawaii .....	1			Calif.*
<i>Oligotrophus betulae</i> (Winn.) (Itonididae):					
<i>Betula</i> sp. (birch) .....	England .....			1	Wash.
<i>Orobittis cyaneus</i> (L.) (Curculionidae):					
Moss packing around rhododendron plants .....	do .....			1	Wash.
<i>Orthezia praelonga</i> Dougl. (Coccidae):					
<i>Bougainvillea</i> sp. ....	Virgin Islands .....			1	D. C.
<i>Gardenia augusta</i> (gardenia) .....	Trinidad .....	1			N. Y.
<i>Ortheziola signoreti</i> (Haller) (Coccidae):					
Moss packing .....	England .....			2	Wash.
<i>Orthochaetes setiger</i> (Beck.) (Curculionidae):					
Moss packing around rhododendron cuttings .....	do .....			1	Wash.
<i>Orthodes melanops</i> Dyar (Phalaenidae):					
Bromeliad .....	Mexico .....			1	Tex.
<i>Orthotylus ericetorum</i> (Fall.) (Miridae):					
<i>Calluna vulgaris</i> (heather) .....	Scotland .....	1			Pa.
<i>Oxythyrea funsta</i> (Poda) (Scarabaeidae):					
With roses, lilies, and daisies .....	France (?) .....	1			Mass.
<i>Ozophora consanguinea</i> (Dist.) (Lygaeidae):					
Airplane .....	Mexico .....			1	Tex.
<i>Pachyzancla bipunctalis</i> (F.) (Pyraustidae):					
<i>Beta vulgaris</i> (beet) .....	do .....	1			Tex.
<i>Brassica oleracea capitata</i> (cabbage) .....	Haiti .....			1	P. R.
<i>Pachyzancla periusalis</i> (Wlk.) (Pyraustidae):					
Leaf—unknown .....	Puerto Rico .....	1			N. Y.
<i>Palaeopus costicollis</i> Mshll. (Curculionidae):					
<i>Ipomoea batatas</i> (sweetpotato) .....	Jamaica, Trinidad .....			2	Ala., Md.
<i>Zingiber officinale</i> (ginger) .....	British West Indies, Jamaica .....	2			N. Y.
<i>Pantomorus godmani</i> (Crotch) (Curculionidae):					
<i>Acacia australis</i> .....	Australia .....			1	Calif.*
Daisy .....	Mexico .....	1			Tex.
<i>Paraleyrodes goyabae</i> (Goeld.) (Aleyrodidae):					
<i>Guajacum officinale</i> (lignumvitae) .....	Jamaica .....			1	P. R.
<i>Paratuto taraktogeni</i> Rao (Coccidae):					
<i>Curcuma</i> sp. ....	India .....			1	N. J.
<i>Hedychium</i> sp. (gingerlily) .....	do .....			1	N. J.
<i>Parlatoria camelliae</i> Comst. (Coccidae):					
<i>Camellia japonica</i> (camellia) .....	Italy, Japan .....			1	Calif.* Fla., N. J., Tex.
<i>Camellia sasangua</i> (sasangua tea) .....	Japan .....			3	Calif.*
<i>Camellia</i> sp. ....	China, Japan .....			8	Calif.*
<i>Parlatoria cinerea</i> Hadden (Coccidae):					
<i>Citrus aurantifolia</i> (sour lime) .....	Mexico, Tahiti .....			3	Calif.*
<i>Citrus limon</i> (lemon) .....	Brazil .....			1	Calif.*
<i>Citrus paradisi</i> (grapefruit) .....	Brazil, Israel .....			3	Calif.*
<i>Citrus sinensis</i> (orange) .....	Brazil, Curacao (?), Trinidad .....			4	Calif.* Fla.*
<i>Jasminum sambac</i> (Arabian jasmine) .....	Mexico .....			1	Calif.*
<i>Parlatoria crotonis</i> Dougl. (Coccidae):					
<i>Codiaeum variegatum</i> (croton) .....	Hawaii .....	1			Calif.*
<i>Parlatoria oleae</i> (Colvee) (Coccidae):					
<i>Diospyros</i> sp. (persimmon) .....	Italy .....	1			N. Y.
<i>Malus sylvestris</i> (apple) .....	do .....	1			N. Y.
<i>Olea europaea</i> (olive) .....	Greece, Italy .....	2		1	D. C., Mass.
<i>Olea</i> sp. ....	Switzerland (?) .....				N. Y.
<i>Prunus armeniaca</i> (apricot) .....	Egypt, Greece .....			1	Calif.*
<i>Prunus domestica</i> (plum) .....	Italy .....	1			D. C.
<i>Rosa</i> sp. ....	do .....			1	N. Y.

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<i>Parlatoria pseudaspidiotus</i> Ldgr. (Coccidae):					
<i>Cattleya</i> sp. (orchid)-----	Formosa-----	-----	-----	1	Calif.*
<i>Cypripedium callosum</i> (orchid)-----	Siam-----	-----	-----	1	Calif.*
<i>Cypripedium philippinense</i> -----	do-----	-----	-----	1	Calif.*
Orchid-----	Canal Zone, Hawaii, Siam-----	-----	-----	3	Calif.,* Fla. Fla.*
<i>Parlatoria zizyphus</i> (Lucas) (Coccidae):					
<i>Citrus aurantifolia</i> (sour lime)-----	Australia (?)-----	-----	1	-----	Calif.*
<i>Citrus limon</i> (lemon)-----	Italy-----	-----	3	-----	Calif.*
<i>Citrus paradisi</i> (grapefruit)-----	French West Africa (?)-----	-----	1	-----	Mass.
<i>Citrus reticulata</i> (Mandarin orange)-----	China-----	1	-----	-----	Calif.*
<i>Citrus sinensis</i> (orange)-----	Algeria, Aruba, Spain-----	7	-----	-----	Calif.,* Fla.,* Mass., Pa. Tex.
Herb-----	France-----	1	-----	-----	Pa.
<i>Parmena balteus</i> (L.) (Cerambycidae):					
<i>Allium sativum</i> (garlic)-----	Italy-----	1	-----	-----	N. Y.
<i>Parthenothrips dracaena</i> (Heeger) (Thripidae):					
<i>Anthurium</i> sp.-----	Hawaii-----	-----	-----	1	Wash.
<i>Pectinophora gossypiella</i> (Saund.) (Gelechiidae):					
<i>Gossypium</i> sp. (cotton; boll)-----	Bahamas, British West Africa, Hawaii, Italy, Mexico-----	10	-----	-----	Calif.,* Fla., N. Y., Tex.
<i>Gossypium</i> sp. (cottonseed)-----	Brazil, Egypt, India, Korea, Mexico, Puerto Rico-----	17	3	1	Md., N. J., N. Y., Pa. P. R., Tex. Va., Wash.
<i>Gossypium</i> sp. (seed cotton)-----	Mexico, unknown-----	24	1	-----	Mich., Tex.
<i>Hibiscus esculentus</i> (okra)-----	Brazil, Egypt, Puerto Rico, Trinidad-----	4	2	-----	La., N. Y., P. R.
<i>Phalonia zephyrana</i> (Treit.) (Phaloniidae):					
<i>Daucus carota</i> (carrot)-----	France-----	-----	1	-----	Md.
<i>Pheidole megacephala</i> (F.) (Formicidae):					
<i>Ananas comosus</i> (pineapple)-----	Cuba-----	1	-----	-----	N. Y.
<i>Phenacaspis sandwicensis</i> Fullaway (Coccidae):					
<i>Cocos nucifera</i> (coconut)-----	Hawaii-----	7	-----	-----	Calif.*
<i>Mangifera indica</i> (mango)-----	do-----	2	-----	-----	Calif.*
<i>Strelitzia reginae</i> (bird-of-paradise-flower)-----	do-----	1	-----	1	Calif.*
<i>Strelitzia</i> sp.-----	do-----	2	-----	-----	Calif.*
<i>Phloeotribus scarabaeoides</i> (Bern.) (Scolytidae):					
<i>Olea europaea</i> (olive)-----	Italy-----	1	-----	-----	N. Y.
<i>Phlyctinus callosus</i> Boh. (Curculionidae):					
<i>Vitis</i> sp. (grape)-----	Union of South Africa-----	13	-----	-----	N. Y.
<i>Phytomyza atricornis</i> (Mg.) (Agromyzidae):					
<i>Chrysanthemum</i> sp.-----	England-----	1	2	-----	N. Y.
<i>Phytomyza rufipes</i> (Mg.) (Agromyzidae):					
<i>Brassica oleracea botrytis</i> (cauliflower)-----	Netherlands-----	-----	1	-----	N. Y.
<i>Pieris brassicae</i> (L.) (Pieridae):					
<i>Allium porrum</i> (leek)-----	France-----	-----	1	-----	N. Y.
<i>Brassica oleracea capitata</i> (cabbage)-----	Italy-----	-----	2	-----	N. Y.
<i>Pinnaspis buxi</i> (Bouche) (Coccidae):					
<i>Maranta</i> sp.-----	Canal Zone-----	-----	-----	1	N. J.
<i>Monstera deliciosa</i> (ceriman)-----	Hawaii-----	1	-----	-----	Calif.*
Palm-----	Nicaragua-----	-----	-----	1	Calif.*
<i>Philodendron</i> sp.-----	Hawaii-----	2	-----	2	Calif.*
<i>Scindapsus aureus</i> (Solomon Island ivy-arum)-----	do-----	-----	-----	1	Calif.*
<i>Pityogenes bidentatus</i> (Hbst.) (Scolytidae):					
<i>Pinus</i> sp. (pine)-----	Netherlands-----	1	-----	-----	Ala.
Wood-----	Denmark, Sweden-----	2	-----	-----	Calif.*
<i>Pityogenes chalcographus</i> (L.) (Scolytidae):					
<i>Picea</i> sp. (spruce)-----	Sweden-----	1	-----	-----	N. Y.
<i>Pinus</i> sp. (pine)-----	Germany, Sweden-----	1	1	-----	Ill., Tex.
Wood-----	Germany-----	1	-----	-----	La.
<i>Platynota rostrana</i> (Wlk.) (Tortricidae):					
<i>Ananas comosus</i> (pineapple)-----	Mexico-----	1	-----	-----	Tex.
<i>Capsicum frutescens</i> (pepper)-----	do-----	1	-----	-----	Tex.
<i>Euphorbia</i> sp.-----	Cuba-----	-----	-----	1	Fla.



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<i>Platypus rugulosus</i> Chap. (Platypodidae):					
Airplane	Nicaragua		1		Tex.
<i>Copaifera hemitomophylla</i>	Costa Rica	4			S. C.
"Poliaspis" pini Mask. (Coccidae):					
<i>Juniperus</i> sp.	Japan			2	Calif.*
<i>Pinus</i> sp. (pine)	do			1	Wash.
<i>Pollinia pollonii</i> (Costa) (Coccidae):					
<i>Olea europaea</i> (olive)	Italy	1			N. Y.
<i>Polychrosis botrana</i> (Schiff.) (Olethreutidae):					
<i>Vitis</i> sp. (grape)	Greece, Italy	4			Mass., N. Y.
<i>Polychrosis botrana</i> (Schiff.) (?) (Olethreutidae):					
<i>Vitis</i> sp. (grape)	Israel	2			N. Y.
<i>Praeblissus albofasciatus</i> Barber (Lygaeidae):					
Orchid	Mexico			2	Tex.
<i>Prays oleellus</i> (F.) (Hyponomeutidae):					
<i>Olea europaea</i> (olive)	Italy	5			Mass., N. Y., Pa.
<i>Prodenia eridania</i> (Cram.) (Phalaenidae):					
<i>Lilium</i> sp. (lily)	Bermuda	1			N. Y.
<i>Protopulvinaria longivalvata</i> (Green) (Coccidae):					
<i>Gardenia augusta</i> (gardenia)	Trinidad, Venezuela	2			N. Y., P. R. Fla.
Seed—unknown	Canal Zone			1	
<i>Protopulvinaria pyrifomis</i> (Ckll.) (Coccidae):					
<i>P. Gardenia augusta</i> (gardenia)	Guatemala, Trinidad	1	1	1	Fla.,* La., N. Y.
Leaf—unknown	Bermuda	1			N. Y.
<i>Pseudonidia trilobitiformis</i> (Green) (Coccidae):					
<i>Citrus sinensis</i> (orange)	South America	1			P. R.
<i>Mangifera indica</i> (mango)	Philippines		1		Calif.*
<i>Pseudoschnusps alienus</i> (Newst.) (Coccidae):					
<i>Brassavola</i> sp. (orchid)	Mexico			1	Tex.
<i>Cattleya</i> sp. (orchid)	British Honduras			1	Tex.
Orchid	British Honduras, Canal Zone, Costa Rica, Mexico, Venezuela			6	Fla., N. J., Tex.
Palm	Mexico	1			Calif.*
<i>Pseudococcus boninensis</i> (Kuw.) (Coccidae):					
<i>Saccharum officinarum</i> (sugarcane)	Cuba	1			Fla.*
<i>Pseudococcus giffardi</i> (Ehrh.) (Coccidae):					
<i>Pandanus odoratissimus</i>	Hawaii	1			Calif.*
<i>Pseudococcus gahani</i> (Green) (Coccidae):					
<i>Prunus domestica</i> (plum)	Chile	1			N. Y.
<i>Pseudococcus palmarum</i> (Ehrh.) (Coccidae):					
<i>Cocos nucifera</i> (coconut)	Hawaii, Philippines	6	1		Calif.*
<i>Pseudodiaspis yuccae</i> (Ckll.) (Coccidae):					
<i>Agave</i> sp.	Mexico			1	N. J.
<i>Cactus</i>	do			1	N. J.
<i>Psylla buri</i> (L.) (Psyllidae):					
<i>Burys semperverrens</i> (box)	Netherlands			2	N. J.
<i>Burus</i> sp.	do			2	N. J.
<i>Pteleobius vittatus</i> (F.) (Scolytidae):					
<i>Ulmus</i> sp. (elm)	England	1			Md.
<i>Ptinus villiger</i> (Reit.) (Ptinidae):					
<i>Tagetes</i> sp. (marigold)	Mexico	1			Ariz.
<i>Pulvinaria psidii</i> Mask. (Coccidae):					
<i>Alpinia purpurata</i>	Hawaii	4			Calif.*
<i>Anthurium</i> sp.	do	2			Calif.*
<i>Arctotis stoechadifolia</i> (African daisy)	Bermuda			2	N. Y.
<i>Cordyline terminalis</i> (dracena)	Hawaii	1			Calif.*
<i>Ficus</i> sp.	Cuba			1	Fla.*
Plant—unknown	Philippines			1	Calif.*
<i>Puto lasiorum</i> (Ckll.) (Coccidae):					
<i>Cactus</i>	Mexico			1	Tex.
<i>Puto mexicanus</i> (Ckll.) (Coccidae):					
Orchid	do			1	Tex.
<i>Puto ulter</i> Ferris (Coccidae):					
<i>Brassia verrucosa</i> (orchid)	Guatemala			1	N. J.
<i>Epidendrum atropurpureum</i> (orchid)	do			1	N. J.
<i>Oncidium splendidum</i> (orchid)	do			1	N. J.

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Insect and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Nonentry	Propagation	
<i>Puto ulter</i> —Continued.					
<i>Oncidium</i> sp. ....	Guatemala			2	Fla.
Orchid .....	do.			3	Fla.
<i>Pyrausta nubilalis</i> (Hbn.) (Pyraustidae):					
<i>Arctium lappa</i> (burdock) .....	Japan		1		Oreg.
<i>Capsicum frutescens</i> (pepper) .....	Italy	1	1		N. Y.
<i>Cucurbita maxima</i> (squash) .....	do.		1		N. Y.
<i>Sorghum vulgare technicum</i> (broomcorn) .....	do.	12	2		Calif.* La., Md., Mass., Minn., Tex.
<i>Zea mays</i> (corn) .....	do.	1		1	N. Y.
<i>Renocis mexicanus</i> Blkm. (Scolytidae):					
Wood .....	Mexico	1			Ill.
<i>Reticulitermes speratus</i> (Kolbe) (Rhinotermitidae):					
<i>Paconia suffruticosa</i> (tree peony) .....	Japan			1	Calif.*
<i>Rhagoletis cerasi</i> (L.) (Tephritidae):					
<i>Prunus</i> sp. (cherry) .....	Austria, England, France, Germany, Italy, Portugal, Spain, Sweden.	17	11		Mass., N. Y.
<i>Rhagoletis completa</i> Cr. (Tephritidae):					
<i>Juglans</i> sp. (walnut) .....	Mexico	1			Tex.
<i>Rhagoletis juglans</i> Cress. (Tephritidae):					
<i>Juglans nigra</i> (black walnut) .....	do.	1			Tex.
<i>Rhagoletis pomonella</i> (Walsh) (Tephritidae):					
<i>Malus sylvestris</i> (apple) .....	Canada, Mexico, Union of South Africa.	9	2		N. Y., Tex.
<i>Rhagoletis pomonella</i> (Walsh) (?) (Tephritidae):					
<i>Malus sylvestris</i> .....	Unknown		1		N. Y.
<i>Rhinochenus stigma</i> (L.) (Curculionidae):					
<i>Vicia faba</i> (broadbean) .....	Trinidad		1		Tex.
<i>Rhopalosiphum subterraneum</i> Mason (Aphidae):					
<i>Capsicum frutescens grossum</i> (bell pepper) .....	Mexico	1			Ariz.
<i>Lycopersicon esculentum</i> (tomato) .....	do.	1			Ariz.
<i>Rhyarochromus chiragra</i> (F.) (Lygaeidae):					
Nursery stock .....	Germany			1	Md.
Soil around roots of <i>Quercus</i> sp. ....	Switzerland			1	N. J.
<i>Ribua innoxia</i> Hein. (Phycitidae):					
<i>Ananas comosus</i> (pineapple) .....	Cuba	13			N. Y.
<i>Scyphophorus acupunctatus</i> Gyll. (Curculionidae):					
<i>Agave parviflora</i> .....	Mexico			1	N. J.
<i>Agave</i> sp. ....	do.	1			Tex.
<i>Selenothrips rubrocinctus</i> (Giard) (Thripidae):					
<i>Rosa</i> sp. ....	do.		1		Tex.
<i>Sesamia cretica</i> Led. (Phalaenidae):					
<i>Sorghum vulgare technicum</i> (broomcorn) .....	Greece, Italy	47	1		Calif.* Fla., Fla.* La., Md., Mass., N. Y., Pa.
<i>Zea mays</i> (corn) .....	Italy	1			N. Y.
<i>Sinoxylon anale</i> Lesne (Bostrichidae):					
Wood .....	India	9			N. Y.
<i>Sinoxylon crassum</i> Lesne (Bostrichidae):					
Wood .....	do.	1			Calif.*
<i>Sisamnes contractus</i> Dist. (Lygaeidae):					
<i>Ananas comosus</i> (pineapple) .....	Mexico	4			Tex.
<i>Sitona crinita</i> (Hbst.) (Curculionidae):					
<i>Brassica oleracea capitata</i> (cabbage) .....	Algeria		1		Va.
<i>Sitona hispidula</i> (F.) (Curculionidae):					
Soil around rocky plants .....	Canada			1	Wash.
<i>Sitona humeralis</i> Steph. (Curculionidae):					
Woods moss around <i>Fagus</i> sp. plants .....	Denmark			1	N. J.
<i>Sitona lineata</i> (L.) (Curculionidae):					
Peat moss around rhododendron plants .....	Netherlands			1	N. J.

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<i>Sizeonotus luteiceps</i> Reuter (Miridae):					
Cactus.....	Mexico.....			3	Tex.
<i>Ferocactus echidne</i> (cactus).....	do.....			1	Tex.
<i>Mammillaria</i> sp. (cactus).....	do.....			3	Tex.
<i>Sparteus villosus</i> (F.) (Bruchidae):					
<i>Cytisus scoparius</i> (Scotch broom).....	Italy.....			1	N. J.
<i>Lens culinaris</i> (lentil).....	do.....	1			N. Y.
<i>Spartium junceum</i> (weavers-broom).....	do.....			1	N. J.
<i>Specularius impressithorax</i> (Pic) (Bruchidae):					
<i>Erythrina</i> sp.....	Union of South Africa.....			1	Calif.*
<i>Sphenarches caffer</i> (Zell.) (Pterophoridae):					
<i>Cajanus cajan</i> (pigeonpea).....	Trinidad.....	1			N. Y.
<i>Stenocarus fuliginosus</i> Marsh (Curculionidae):					
<i>Ribes</i> sp.....	Germany.....			1	Calif.*
<i>Stenoma anonella</i> Sepp. (Stenomidae):					
<i>Annona cherimola</i> (cherimoya).....	Brazil.....	1			N. Y.
<i>Annona muricata</i> (sourpaw).....	Jamaica, Panama.....	2			Fla.,* La.
<i>Stenoma catenifer</i> Wlsm. (Stenomidae):					
<i>Persea americana</i> (avocado).....	Canal Zone, Costa Rica, Dominican Republic, Ecuador, Honduras, Mexico, Panama, Ven- ezuela, unknown.		14	10	Ala., Calif.,* La., N. Y., Pa., Tex.
<i>Stephanoderes buscki</i> Hopk. (Scolytidae):					
<i>Cuesalpinia</i> sp.....	Canal Zone.....			1	N. J.
<i>Stephanoderes hampei</i> (Ferr.) (Scolytidae):					
<i>Coffea</i> sp. (coffee).....	Brazil.....		1		Md.
<i>Stephanoderes lecontei</i> Hopk. (Scolytidae):					
<i>Cajanus cajan</i> (pigeonpea).....	St. Vincent.....	1			Mass.
<i>Strophosoma capitatum</i> (Deg.) (Curculionidae):					
<i>Rosa</i> sp.....	Netherlands.....			1	N. Y.
<i>Strophosoma melanogrammum</i> (Forst.) (Curculionidae):					
<i>Petroselinum crispum</i> (parsley).....	Canada.....	1			Wash.
<i>Rhododendron</i> sp.....	England.....			1	Wash.
<i>Strophosoma retusum</i> (Marsh.) (?) (Curculionidae):					
<i>Calluna</i> sp.....	England.....	1			N. J.
<i>Systole geniculata</i> Foerst. (Eurytomidae):					
<i>Coriandrum sativum</i> (coriander).....	Ethiopia.....			1	D. C.
<i>Tadius erirhinoides</i> Pasc. (Curculionidae):					
Orchid.....	Philippines.....			1	Calif.*
<i>Taeniothrips atratus</i> (Hal.) (Thripidae):					
<i>Calluna vulgaris</i> (heather).....	Scotland, Sweden.....	2			Md., N. Y.
<i>Centaurea cyanus</i> (bachelors button).....	Netherlands.....	1			N. Y.
<i>Dianthus</i> sp. (carnation).....	England, Germany, Scotland, Sweden.	10			N. J., N. Y.
<i>Rosa</i> sp.....	Unknown.....		1		N. Y.
Soil on roots of plant.....	England.....			1	N. J.
<i>Tulipa</i> sp. (tulip).....	do.....			1	N. Y.
<i>Taeniothrips dianthi</i> Pr. (Thripidae):					
<i>Dianthus</i> sp. (carnation).....	Germany, Switzerland, unknown.	1	1	1	Calif.,* N. Y.
<i>Taeniothrips ericae</i> (Hal.) (Thripidae):					
<i>Calluna vulgaris</i> (heather).....	England.....	1			N. Y.
<i>Taeniothrips hawaiiensis</i> (Morg.) (Thripidae):					
<i>Canavalia</i> sp.....	Hawaii.....	5			Calif.*
<i>Dianthus</i> sp.....	Hawaii, Philippines.....	3			Calif.,* Hawaii.
Flower leis.....	Hawaii.....	2			Calif.*
<i>Gardenia augusta</i> (gardenia).....	do.....	2			Calif.*
<i>Mesembryanthemum</i> sp.....	do.....	1			Calif.*
<i>Taeniothrips picipes</i> (Zett.) (Thripidae):					
<i>Primula</i> sp. (primrose).....	England.....			1	N. J.
<i>Talponia batesi</i> Hein. (Olethreutidae):					
<i>Annona cherimola</i> (cherimoya).....	Mexico.....	2			Tex.
<i>Annona reticulata</i> (custard-apple).....	do.....	1			Tex.
" <i>Targionia</i> " <i>bromiliae</i> (Leon.) (Coccidae):					
<i>Ananas comosus</i> (pineapple).....	do.....	15		1	Tex.



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" <i>Targionia</i> " <i>cueroensis</i> (Ckll.) (Coccidae): <i>Pithecellobium dulce</i> (guamachil)-----	Mexico-----	1			Calif.
" <i>Targionia</i> " <i>hartii</i> (Ckll.) (Coccidae): <i>Dioscorea</i> sp. (yam)-----	Antigua, Barbados, Cuba, Gold Coast, Grand Cayman, Nevis, St. Kitts, St. Lucia-----	10	1	1	D. C., Fla.,* Mass., N. Y.
" <i>Targionia</i> " <i>sacchari</i> (Ckll.) (Coccidae): <i>Saccharum officinarum</i> (sugarcane)-----	Cuba, Puerto Rico-----	2			Fla.,* N. Y.
<i>Tarsonemus laticeps</i> Halb. (Tarsonemidae): <i>Narcissus</i> sp.-----	Netherlands-----			1	N. J.
<i>Tenthetoris angustimarginatus</i> Hsiao & Sailer (Miridae): Orchid-----	Mexico-----			3	Tex.
<i>Tenthetoris bicolor</i> Scott (Miridae): Orchid-----	Honduras, Mexico-----			4	N. J., Tex.
<i>Tenthetoris confusus</i> Hsiao & Sailer (Miridae): Orchid-----	Mexico-----			4	Tex.
<i>Tenthetoris distinguendus</i> Hsiao & Sailer (Miridae): <i>Cycnoches chlorochiton</i> (orchid)-----	Canal Zone-----			1	Calif.*
<i>Tenthetoris orchidearum</i> Reuter (Miridae): Orchid-----	Brazil-----			1	Fla.
<i>Tenthetoris venezuelensis</i> Hsiao & Sailer (Miridae): <i>Cattleya</i> sp (orchid)-----	Venezuela-----			2	N. J.
<i>Tetaleurodes acaciae</i> (Q.) (Aleyrodidae): <i>Brya</i> sp. (?)-----	Jamaica-----			1	Fla. Tex.
<i>Chamaedorea</i> sp. (palm)-----	Mexico-----	1			Tex.
Leaf—unknown-----	do-----	1			Tex.
<i>Thamnophthorus schwarzi</i> Blkm. (Scolytidae): <i>Persea americana</i> (avocado)-----	do-----	1			Tex.
<i>Thamnotettix hyalinapennis</i> (Stal) (Cicadellidae): <i>Anthurium</i> sp.-----	Trinidad-----	1			N. Y.
<i>Thrips angusticeps</i> Uzel (Thripidae): <i>Dianthus</i> sp., <i>Iris</i> sp., & <i>Lathyrus</i> sp.-----	Japan-----	1			Wash.
<i>Zantedeschia aethiopica</i> (calla lily)-----	Italy-----	1			N. Y.
<i>Tingis cardui</i> (L.) (Tingidae): <i>Calluna</i> sp.-----	Great Britain-----	1			N. Y.
<i>Tmetomorpha bitias</i> (Druce) (Geometridae): Airplane-----	Panama-----		1		La.
<i>Trialeurodes intermedia</i> Russell (?) (Aleyrodidae): <i>Quercus</i> sp. (oak)-----	Mexico-----		1		Ariz.
<i>Trialeurodes tauri</i> (Sign.) (Aleyrodidae): <i>Laurus nobilis</i> (Grecian laurel)-----	Italy-----		1		N. Y.
<i>Laurus</i> sp.-----	Belgium-----		1		N. Y.
<i>Trialeurodes vitrinellus</i> Ckll. (Aleyrodidae): <i>Citrus paradisi</i> (grapefruit)-----	Mexico-----		1		Tex.
<i>Trichobaris mucorea</i> (Lec.) (Cruculionidae): <i>Physalis</i> sp. (husk tomato)-----	do-----	1			Tex.
<i>Trionymus sacchari</i> (Ckll.) (Coccidae): <i>Saccharum officinarum</i> (sugarcane)-----	do-----	1			Tex.
<i>Trioza magnoliae</i> (Ashm.) (Psyllidae): <i>Laurus nobilis</i> (Grecian laurel)-----	do-----	1			Tex.
<i>Trupanea stellata</i> (Fuessly) (Tephritidae): <i>Chrysanthemum</i> sp.-----	Italy-----	1			Ill.
<i>Unaspis citri</i> (Comst.) (Coccidae): <i>Citrus paradisi</i> (grapefruit)-----	Cuba-----		1		Calif.*
<i>Citrus sinensis</i> (orange)-----	Colombia-----		1		Calif.*
<i>Unaspis euonymi</i> (Comst.) (Coccidae): <i>Euonymus</i> sp.-----	Yugoslavia-----		1		N. Y.
<i>Unaspis yanonensis</i> (Kuw.) (Coccidae): <i>Citrus limon</i> (lemon)-----	Japan-----		6		Calif.*
<i>Citrus paradisi</i> (grapefruit)-----	do-----		1		Calif.*
<i>Citrus reticulata</i> (Mandarin orange)-----	China, Japan-----	2	7		Alaska, Calif.*
<i>Citrus sinensis</i> (orange)-----	Japan-----		18		Calif.,* Hawaii.

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<i>Vinsonia stellifera</i> (Westw.) (Coccidae):					
<i>Anthurium</i> sp. ....	Trinidad .....			2	Fla.
<i>Aspasia epidendroides</i> (orchid) .....	Canal Zone .....			1	N. J.
<i>Aspasia</i> sp. ....	do .....			1	Fla.
<i>Broughtonia</i> sp. (orchid) .....	Jamaica .....			1	Fla.
<i>Cattleya</i> sp. (orchid) .....	Antigua .....			1	N. J.
<i>Dendrobium</i> sp. (orchid) .....	Venezuela .....			1	N. J.
<i>Oncidium ampliatum</i> (orchid) .....	Canal Zone .....			1	Tex.
Orchid .....	Brazil, Canal Zone, Car- oline Islands, Jamaica, St. Kitts, Trinidad, Virgin Islands.			16	Calif.,* Fla., N. J.
<i>Peristeria elata</i> (holy-ghost-flower) .....	Canal Zone .....			1	Hawaii.
<i>Xylobiops texanum</i> (Horn) (Bostrichidae):					
<i>Ananas comosus</i> (pineapple) .....	Mexico .....	1			Tex.
Herb .....	do .....	1			Tex.

## Hosts and insects

- ABIES:**  
*Laspeyresia strobilella* (Lepidoptera)
- ACACIA:**  
*Exptochiomeria albomaculata* (Hemiptera)  
*Pantomorus godmani* (Coleoptera)
- ACHRAS:**  
*Anastrepha serpentina* (Diptera)
- AGAVE:**  
*Pseudodiaspis yuccae* (Homoptera)  
*Scyphophorus acupunctatus* (Coleoptera)
- ALLIUM PORRUM:**  
*Acrolepia assectella* (Lepidoptera)  
*Pieris brassicae* (Lepidoptera)
- ALLIUM SATIVUM:**  
*Aceria tulipae* (Acarina)  
*Brachycerus albidentatus* (Coleoptera)  
*Brachycerus algerius* (Coleoptera)  
*Bruchus ervi* (Coleoptera)  
*Dyspessa ulula* (Lepidoptera)  
*Farmena balleus* (Coleoptera)
- ALNUS:**  
*Microleon longipalpis* (Lepidoptera)
- ALOE:**  
*Aleophagus myersi* (Homoptera)
- ALPINIA:**  
*Pulvinaria psidii* (Homoptera)
- ANACAMPSEROS:**  
*Asterolecanium stentae* (Homoptera)
- ANANAS:**  
*Alpheias conspirata* (Lepidoptera)  
*Chalcodermus dentiferus* (Coleoptera)  
*Eutheola bidentata* (Coleoptera)  
*Eurythmia santiagella* (Lepidoptera)  
*Exptochiomeria albomaculata* (Hemiptera)  
*Genopaschia protomis* (?) (Lepidoptera)  
*Noropsis hieroglyphica* (Lepidoptera)  
*Pheidole megacephala* (Hymenoptera)  
*Platynota rostrana* (Lepidoptera)  
*Ribua innoxia* (Lepidoptera)  
*Sisamnes contractus* (Hemiptera)  
*"Targionia" bromiliae* (Homoptera)  
*Xylobiops texanum* (Coleoptera)
- ANNONA:**  
*Ceratitis capitata* (Diptera)  
*Stenoma anonella* (Lepidoptera)  
*Talponia batesi* (Lepidoptera)
- ANTHURIUM:**  
*Ceroplastes rubens* (Homoptera)  
*Chrysomphalus umboniferus* (Homoptera)  
*Parthenothrips dracaena* (Thysanoptera)  
*Pulvinaria psidii* (Homoptera)  
*Thamnotettix hyalinipennis* (Hemiptera)  
*Vinsonia stellifera* (Homoptera)
- ANTIRRHINUM:**  
*Cyrtopeltis varians* (Hemiptera)  
*Haplothrips gowdeyi* (Thysanoptera)
- APIUM:**  
*Deroceras reticulatum* (Mollusca)  
*Hyadaphis apii* (Homoptera)
- ARCTIUM:**  
*Pyrausta nubilalis* (Lepidoptera)
- ARCTOTIS:**  
*Pulvinaria psidii* (Homoptera)
- ASPARAGUS:**  
*"Chionaspis" stanotophri* (Homoptera)
- ASPASIA:**  
*Vinsonia stellifera* (Homoptera)
- ATTALEA:**  
*Asterolecanium truncatum* (Homoptera)
- BAMBOO:**  
*Asterolecanium bambusae* (Homoptera)  
*Asterolecanium mliaris mliaris* (Homoptera)  
*Dinoderus brevis* (Coleoptera)  
*Micrapate labialis* (Coleoptera)
- BEGONIA:**  
*Aleurodicus dugesii* (Homoptera)  
*Brachyrhinus sulcatus* (Coleoptera)  
*Haplothrips gowdeyi* (?) (Thysanoptera)
- BERBERIS:**  
*Liosomaphis berberidis* (Homoptera)
- BETA:**  
*Lixus junci* (Coleoptera)  
*Pachyzancla bipunctalis* (Lepidoptera)
- BETULA:**  
*Oligotrophus betulae* (Diptera)
- BOUGAINVILLEA:**  
*Orthezia praelonga* (Homoptera)
- BRASSA VOLA:**  
*Pseudischinaspis alienus* (Homoptera)
- BRASSIA:**  
*Puto ulter* (Homoptera)
- BRASSICA CHINENSIS:**  
*Lygus lucorum* (Hemiptera)
- BRASSICA OLERACEA ACEPHALA:**  
*Evergestis forficatis* (Lepidoptera)
- BRASSICA OLERACEA BOTRYTIS:**  
*Evergestis forficatis* (Lepidoptera)  
*Leptophobia aripa* (Lepidoptera)  
*Mamestra brassicae* (Lepidoptera)  
*Phytomyza rufipes* (Diptera)
- BRASSICA OLERACEA CAPITATA:**  
*Deroceras reticulatum* (Mollusca)  
*Evergestis forficatis* (Lepidoptera)  
*Mamestra brassicae* (Lepidoptera)  
*Monomorium destructor* (Hymenoptera)  
*Pachyzancla bipunctalis* (Lepidoptera)  
*Pieris brassicae* (Lepidoptera)  
*Silona crinita* (Coleoptera)
- BRASSICA SP.:**  
*Anaphothrips obscurus* (Thysanoptera)
- BROMELIAD:**  
*Orthodes melanops* (Lepidoptera)
- BROUGHTONIA:**  
*Vinsonia stellifera* (Homoptera)
- BRYA:**  
*Tetraleurodes acaciae* (Homoptera)
- BRYOPHYLLUM:**  
*Frankliniella cubensis* (Thysanoptera)
- BURLINGTONIA:**  
*Asterolecanium epidendri* (Homoptera)
- BUXUS:**  
*Psylla buxi* (Homoptera)
- CACTUS:**  
*Gerstaeckeria mutillaria* (Coleoptera)  
*Hemileuca oliviae* (Lepidoptera)  
*Pseudodiaspis yuccae* (Homoptera)  
*Puto lasiorum* (Homoptera)  
*Sizeonotus luteiceps* (Hemiptera)
- CAESALPINIA:**  
*Mimosetes dominicana* (Coleoptera)  
*Stephanoderes buscki* (Coleoptera)
- CAJANUS:**  
*Acanthoscelides armitagei* (Coleoptera)  
*Ancylostomia stercorea* (Lepidoptera)  
*Lampides boeticus* (Lepidoptera)  
*Maruca testulalis* (Lepidoptera)  
*Sphenarches caffer* (Lepidoptera)  
*Stephanoderes lecontei* (Coleoptera)
- CALLUNA:**  
*Arctorthesia cataphracta* (Homoptera)  
*Gelechia ericetella* (Lepidoptera)  
*Lochnaea capreae* (Coleoptera)  
*Orthotylus ericetorum* (Hemiptera)  
*Strophosoma retusus* (?) (Coleoptera)  
*Taeniothrips atratus* (Thysanoptera)  
*Taeniothrips ericae* (Thysanoptera)  
*Tingis cardui* (Hemiptera)
- CALOCARPUS:**  
*Chrysomphalus ritchiei* (Homoptera)
- CALOTROPIS:**  
*Haplothrips gowdeyi* (Thysanoptera)
- CAMELLIA:**  
*Aleurotuberculatus similis* (Homoptera)  
*Ceroplastes ceriferus* (Homoptera)  
*Parlatoria camelliae* (Homoptera)
- CANAVALIA:**  
*Haplothrips gowdeyi* (Thysanoptera)  
*Lampides boeticus* (Lepidoptera)  
*Maruca testulalis* (Lepidoptera)  
*Taeniothrips hawaiiensis* (Thysanoptera)
- CAPSIUM:**  
*Gnorimoschema gudmannella* (Lepidoptera)  
*Platynota rostrana* (Lepidoptera)  
*Pyrausta nubilalis* (Lepidoptera)  
*Rhopalosiphum subterraneum* (Homoptera)
- CARICA:**  
*Lichtenia lutea* (Homoptera)
- CASSIA:**  
*Aganactesis indecora* (Lepidoptera)  
*Caryedon fuscus* (Coleoptera)
- CASTANEA:**  
*Curculio elephas* (Coleoptera)  
*Hemimene juliana* (Lepidoptera)  
*Laspeyresia juliana* (Lepidoptera)



## Hosts and insects—Continued

## CASTANEA—Continued

*Laspeyresia splendana* (Lepidoptera)

## CASUARINA:

*Leucaspis candida* (Homoptera)*Leucaspis loewi* (Homoptera)

## CATTLEA:

*Aleuroglandulus emmae* (Homoptera)*Asterolecanium epidendri* (Homoptera)*Chrysomphalus tenax* (Homoptera)*Chrysomphalus umboniferus* (Homoptera)*Deroceras reticulatum* (Mollusca)*Eurytoma orchidearum* (Hymenoptera)*Furcaspis bifurcata* (Homoptera)*Iridomyrmex iniquus* (Hymenoptera)*Mordellistena cattleana* (Coleoptera)*Parlatoria pseudaspidiotus* (Homoptera)*Pseudischynaspis alienus* (Homoptera)*Tenthecoris venezuelensis* (Homoptera)*Vinsonia stellifera* (Homoptera)

## CEDRUS:

*Aspidiotus pseudomeyeri* (Homoptera)*Lineaspis striata* (Homoptera)

## CELOSIA:

*Ligyrocoris aurivilliana* (Hemiptera)

## CENTAUREA:

*Taeniothrips atratus* (Thysanoptera)

## CEROPEGIA:

*"Chionaspis" indigoferae* (Homoptera)

## CHAENOMELES:

*Ceroplastes rubens* (Homoptera)

## CHAMAEDOREA:

*Tetraleurodes acaciae* (Homoptera)

## CHRYSANTHEMUM:

*Cacoecia pronubana* (Lepidoptera)*Capitophorus formosanus* (Homoptera)*Cnephasia virgaureana* (Lepidoptera)*Deroceras reticulatum* (Mollusca)*Myrmica laevinodis* (Hymenoptera)*Phytomyza atricornis* (Diptera)*Trupanea stellata* (Diptera)

## CHRYSOPHYLLUM:

*Anastrepha serpentina* (Diptera)

## CICER:

*Ancylostomia stercorea* (Lepidoptera)

## CIRSIIUM:

*Capitophorus carduinus* (Homoptera)

## CITRUS AURANTIFOLIA:

*Aleurocanthus woglumi* (Homoptera)*Anastrepha ludens* (Diptera)*Leucaspis cockerelli* (Homoptera)*Parlatoria cinerea* (Homoptera)*Parlatoria zizyphus* (Homoptera)

## CITRUS AURANTIUM (?):

*Leucaspis cockerelli* (Homoptera)

## CITRUS LIMON:

*Argyroploce leucotreta* (Lepidoptera)*Ceratitidis capitata* (Diptera)*Cryptoblabes gnidiella* (Lepidoptera)*Leucaspis cockerelli* (Homoptera)*Morganella longispina* (Homoptera)*Parlatoria cinerea* (Homoptera)*Parlatoria zizyphus* (Homoptera)*Unaspis yanonensis* (Homoptera)

## CITRUS PARADISI:

*Anastrepha ludens* (Diptera)*Ceratitidis capitata* (Diptera)*Leucaspis cockerelli* (Homoptera)*Parlatoria cinerea* (Homoptera)*Parlatoria zizyphus* (Homoptera)*Trialeurodes viridulus* (Homoptera)*Unaspis citri* (Homoptera)*Unaspis yanonensis* (Homoptera)

## CITRUS RETICULATA:

*Aleurocanthus woglumi* (Homoptera)*Aleurolobus maritimi* (Homoptera)*Argyroploce leucotreta* (Lepidoptera)*Ceratitidis capitata* (Diptera)*Leucaspis cockerelli* (Homoptera)*Parlatoria zizyphus* (Homoptera)*Unaspis yanonensis* (Homoptera)

## CITRUS SINENSIS:

*Aleurocanthus woglumi* (Homoptera)*Aleurothrixus floccosus* (Homoptera)*Anastrepha fraterculus* (Diptera)

## CITRUS SINENSIS—Continued

*Anastrepha ludens* (Diptera)*Anastrepha serpentina* (?) (Diptera)*Argyroploce leucotreta* (Lepidoptera)*Ceratitidis capitata* (Diptera)*Chaetanaphothrips orchidii* (Thysanoptera)*Chrysomphalus personatus* (Homoptera)*Cryptoblabes gnidiella* (Lepidoptera)*Gymnandrosoma aurantianum* (Lepidoptera)*Leucaspis cockerelli* (Homoptera)*Parlatoria cinerea* (Homoptera)*Parlatoria zizyphus* (Homoptera)*Pseudonidia trilobitiformis* (Homoptera)*Unaspis citri* (Homoptera)*Unaspis yanonensis* (Homoptera)

## CITRUS SP.:

*Aleurocanthus woglumi* (Homoptera)*Aleuroparadozus gardeniae* (Homoptera)*Aleuroplatus coccolus* (Homoptera)*Aleurothrixus floccosus* (Homoptera)*Dialeurodes citri* (Homoptera)*Dialeurodes citrifolii* (Homoptera)*Ezophthalmus roseipes* (Coleoptera)*Leucaspis cockerelli* (Homoptera)

## COCOS:

*Aonidiella inornata* (Homoptera)*Aspidiotus coryphae* (Homoptera)*Aspidiotus destructor* (Homoptera)*Aspidiotus excisus* (Homoptera)*Chrysomphalus personatus* (Homoptera)*Chrysomphalus tingi* (Homoptera)*Ereunetis flavistriata* (Lepidoptera)*Ferrisia virgata* (Homoptera)*Lepidosaphes mcgregori* (Homoptera)*Phenacaspis sandwicensis* (Homoptera)*Pseudococcus palmarum* (Homoptera)

## CODIAEUM:

*Lepidosaphes tokionis* (Homoptera)*Parlatoria crotonis* (Homoptera)

## COELOGYNE:

*Chrysomphalus nulliporus* (Homoptera)*Lepidosaphes tuberculata* (Homoptera)

## COFFEA:

*Ceratitidis capitata* (Diptera)*Coccus viridis* (Homoptera)*Stephanoderes hampei* (Coleoptera)

## COPAIFERA:

*Draeculacephala lenticula* (Hemiptera)*Platyptus rugulosus* (Coleoptera)

## CORDYLINAE:

*Pulvinaria psidii* (Homoptera)

## CORIANDRUM:

*Frankliniella cubensis* (Thysanoptera)*Systole geniculata* (Hymenoptera)

## CORNUS:

*Lygus campestris* (Hemiptera)

## CORYLUS:

*Curculio nucum* (Coleoptera)

## CRATAEGUS:

*Ceroplastes rubens* (Homoptera)

## CRYPTOSTEGIA:

*Heteropsylla texana* (Homoptera)

## CUCUMIS:

*Dacus cucurbitae* (Diptera)*Dacus dorsalis* (Diptera)

## CUCURBITA:

*Pyrastula nubilalis* (Lepidoptera)

## CUPRESSUS:

*Epinotia tessulatana* (Lepidoptera)*Lepidosaphes pallida* (Homoptera)

## CURCUMA:

*Paraputo taraktogeni* (Homoptera)

## CYBISTAX:

*Acanthoderes circumflexa* (Coleoptera)

## CYCAD:

*Cryptoblabes gnidiella* (Lepidoptera)

## CYCNOCHES:

*Tenthecoris distinguendus* (Hemiptera)

## CYDONIA:

*Anastrepha ludens* (Diptera)*Ceratitidis capitata* (Diptera)*Grapholitha packardii* (Lepidoptera)

## CYMBIDIUM:

*Lepidosaphes tuberculata* (Homoptera)

*Hosts and insects—Continued*

- CYNARA:  
*Anuraphis cynaræ* (?) (Homoptera)  
*Apion carduorum* (Coleoptera)  
*Iridomyrmex humilis* (Hymenoptera)
- CYPRIPEDIUM:  
*Parlatoria pseudaspidiotus* (Homoptera)
- CYTISUS:  
*Sparticus villosus* (Coleoptera)
- DAHLIA:  
*Gortyna flavago* (Lepidoptera)
- DAISY:  
*Pantomorus godmani* (Coleoptera)
- DAUCUS:  
*Haplothrips gowdeyi* (Thysanoptera)  
*Loxostege similalis* (Lepidoptera)  
*Mamestra brassicae* (Lepidoptera)  
*Phalonia zephyrana* (Lepidoptera)
- DELONIX:  
*Ferrisiana virgata* (Homoptera)
- DENDROBIUM:  
*Chrysomphalus nulliporus* (Homoptera)  
*Vinsonia stelleri* (Homoptera)
- DERRIS:  
*Dinoderus bifoveolatus* (Coleoptera)
- DIANTHUS:  
*Cacoeia pronubana* (Lepidoptera)  
*Haplothrips gowdeyi* (Thysanoptera)  
*Taeniothrips atratus* (Thysanoptera)  
*Taeniothrips dianthi* (Thysanoptera)  
*Taeniothrips hawaiiensis* (Thysanoptera)
- DIOSCOREA:  
*Monomorium destructor* (Hymenoptera)  
*"Targionia" hartii* (Homoptera)
- DIOSPYROS:  
*Ceratitis capitata* (Diptera)  
*Ceroplastes rubens* (Homoptera)  
*Lepidosaphes conchiformis* (Homoptera)  
*Parlatoria oleae* (Homoptera)
- DOLICHOS:  
*Callosobruchus phaseoli* (Coleoptera)
- EPIDENDRUM:  
*Chrysomphalus tenax* (Homoptera)  
*Conchaspis angraeci* (Homoptera)  
*Furcaspis biformis* (Homoptera)  
*Puto ulter* (Homoptera)
- ERANTHEMUM:  
*Frankliniella cubensis* (Thysanoptera)
- ERYTHRINA:  
*Specularius impressithorax* (Coleoptera)
- EUONYMUS:  
*Unaspis euonymi* (Homoptera)
- EUPHORBIA:  
*Platynota rostrana* (Lepidoptera)
- FEROCACTUS:  
*Sizeonotus luteiceps* (Hemiptera)
- FICUS:  
*Ceratitis capitata* (Diptera)  
*Ceroplastes ruscii* (Homoptera)  
*Coccus viridis* (Homoptera)  
*Gynaikothrips ficorum* (Thysanoptera)  
*Homotoma ficus* (Homoptera)  
*Iridomyrmex humilis* (Hymenoptera)  
*Lepidosaphes ficus* (Homoptera)  
*Pulvinaria psidii* (Homoptera)
- FRAGARIA:  
*Cacoeia pronubana* (Lepidoptera)
- GARCINIA:  
*Aspidiotus destructor* (Homoptera)
- GARDENIA:  
*Aleurotuberculatus jasmini* (Homoptera)  
*Ceroplastes rubens* (Homoptera)  
*Coccus viridis* (Homoptera)  
*Dialeurodes citri* (Homoptera)  
*Dialeurodes citrifolii* (Homoptera)  
*Dialeurodes kirkaldyi* (Homoptera)  
*Dysdercus mimulus* (Hemiptera)  
*Eucalymnatus tessellatus* (Homoptera)  
*Ferrisiana virgata* (Homoptera)  
*Orthezia praelonga* (Homoptera)  
*Protopulvinaria longicauda* (Homoptera)  
*Protopulvinaria pyriformis* (Homoptera)  
*Taeniothrips hawaiiensis* (Thysanoptera)
- GENTIANA:  
*Nemotois violellum* (?) (Lepidoptera)
- GLADIOLUS:  
*Ezophthalmus laetus* (Coleoptera)
- GOSSYPIUM:  
*Pectinophora gossypiella* (Lepidoptera)
- GRAMMATOPHYLLUM:  
*Ceroplastes rubens* (Homoptera)  
*Meritella malayensis* (Hemiptera)
- GREVILLEA:  
*Icerya aegyptiaca* (Homoptera)
- GUAJACUM:  
*Aleurothrixus floccococcus* (Homoptera)  
*Neoclytus cacticus* (Coleoptera)  
*Paraleyrodes goyabae* (Homoptera)
- HEDYCHUM:  
*Paraputo taraktogeni* (Homoptera)
- HELICHRYSUM:  
*Haplothrips gowdeyi* (Thysanoptera)
- HEUCHERA:  
*Hypera nigrirostris* (Coleoptera)
- HIBISCUS:  
*Aleurocanthus woglumi* (Homoptera)  
*Conchaspis angraeci* (Homoptera)  
*Frankliniella cubensis* (Thysanoptera)  
*Pectinophora gossypiella* (Lepidoptera)
- HYPERICUM:  
*Agallia venosa* (Hemiptera)
- ILEX:  
*Aleuroplatus plumosus* (Homoptera)  
*Notolichus damryi* (Hemiptera)
- IPOMOEA:  
*Cylas femoralis* (Coleoptera)  
*Cylas formicarius elegantulus* (Coleoptera)  
*Euscepes postfasciatus* (Coleoptera)  
*Palaeopus costicollis* (Coleoptera)
- ISOLOMA:  
*Coccidella americana* (Homoptera)
- IXORA:  
*Coccus viridis* (Homoptera)
- JASMINUM:  
*Aonidiella inornata* (Homoptera)  
*Dialeurodes kirkaldyi* (Homoptera)  
*Parlatoria cinerea* (Homoptera)
- JUGLANS:  
*Monellia costalis* (Homoptera)  
*Myzocallis caryaefoliae* (Homoptera)  
*Rhagoletis completa* (Diptera)  
*Rhagoletis juglans* (Diptera)
- JUNIPERUS:  
*Lepidosaphes pallida* (Homoptera)  
*"Poliaspis" pini* (Homoptera)
- KHAYA:  
*Bostrychophiles cornutus* (Coleoptera)  
*Cordylomera spinicornis* (Coleoptera)  
*Heterobostrychus brunneus* (Coleoptera)
- LACTUCA:  
*Dicyphus annulatus* (Hemiptera)  
*Draeculacephala minerva* (Hemiptera)
- LAELIA:  
*Asterolecanium epidendri* (Homoptera)
- LATHYRUS:  
*Haplothrips gowdeyi* (Thysanoptera)  
*Liriomyza congesta* (Diptera)
- LAURUS:  
*Cacoeia pronubana* (Lepidoptera)  
*Ceroplastes japonicus* (Homoptera)  
*Chrysomphalus paulistus* (Homoptera)  
*Chrysomphalus personatus* (Homoptera)  
*Trialeurodes lauri* (Homoptera)  
*Trioxa magnoliae* (Homoptera)
- LEMAIREOCEREUS:  
*Lepidosaphes philococcus* (Homoptera)
- LENS:  
*Bruchus rufipes* (Coleoptera)  
*Bruchus signaticornis* (Coleoptera)  
*Sparticus villosus* (Coleoptera)
- LEUCOJUM:  
*Lampetia equestris* (Diptera)
- LILIUM:  
*Crioceris lili* (Coleoptera)  
*Frankliniella cubensis* (Thysanoptera)  
*Prodenia eridania* (Lepidoptera)
- LONCHOCARPUS:  
*Dinoderus bifoveolatus* (Coleoptera)
- LYCOPERSICON:  
*Dacus cucurbitae* (Diptera)  
*Dacus dorsalis* (Diptera)  
*Dysdercus mimulus* (Hemiptera)  
*Lineodes integra* (Lepidoptera)

## Hosts and insects—Continued

## LYCOPERSICON—Continued

- Neoleucinodes elegantalis* (Lepidoptera)  
*Rhopalosiphum subterraneum* (Homoptera)

## MALUS:

- Allantus cinctus* (Hymenoptera)  
*Anthonomus pomorum* (Coleoptera)  
*Aspidiotus pyri* (Homoptera)  
*Ceratitis capitata* (Diptera)  
*Cryptoblabes gnidiella* (Lepidoptera)  
*Epidiopsis piriola* (Homoptera)  
*Lepidosaphes conchiformis* (Homoptera)  
*Monanthia eckii* (Hemiptera)  
*Parlatoria oleae* (Homoptera)  
*Rhagoletis pomonella* (Diptera)

## MAMMEA:

- Anastrepha serpentina* (Diptera)  
*Morganella longispina* (Homoptera)

## MAMMILLARIA:

- Gerstaeckeria mutillaria* (Coleoptera)  
*Siceonotus luteiceps* (Hemiptera)

## MANGIFERA:

- Anastrepha ludens* (Diptera)  
*Anastrepha mombinpraepians* (Diptera)  
*Aulacaspis tubercularis* (Homoptera)  
*Chrysomphalus personatus* (Homoptera)  
*Cryptorhynchus mangiferae* (Coleoptera)  
*Dacus dorsalis* (Diptera)  
*Phenacaspis sandwicensis* (Homoptera)  
*Pseudonidia trilobitiformis* (Homoptera)

## MARANTA:

- Pinaspis buzi* (Homoptera)

## MELICocca:

- Fiorinia nephelii* (Homoptera)

## MESEMBRYANTHEMUM:

- Haplothrips gowdeyi* (Thysanoptera)  
*Taeniothrips hawaiiensis* (Thysanoptera)

## MONSTERA:

- Pinaspis buzi* (Homoptera)

## MUSA PARADISIACA:

- Aspidiotus destructor* (Homoptera)

## MUSA PARADISIACA SAPIENTUM:

- Aspidiotus destructor* (Homoptera)  
*Chrysomphalus umboniferus* (Homoptera)  
*Cosmopolites sordidus* (Coleoptera)  
*Dacus dorsalis* (Diptera)  
*Metamasius sericeus* (Coleoptera)  
*Metamasius sericeus carbonarius* (Coleoptera)

## MUSCARI:

- Ezoesoma lusitanica* (Coleoptera)

## MYRTILLOCACTUS:

- Gargaphia patriciae* (Hemiptera)  
*Lepidosaphes philococcus* (Homoptera)

## NARCISSUS:

- Lampetia equestris* (Diptera)  
*Tarsonemus laticeps* (Acarina)

## NERIUM:

- Erpochiomeria albomaculata* (Hemiptera)  
*Iridomyrmex humilis* (Hymenoptera)  
*Morganella longispina* (Homoptera)

## OCHROSIA:

- Dacus dorsalis* (?) (Diptera)

## OLEA:

- Dacus oleae* (Diptera)  
*Euphilippia olivina* (Homoptera)  
*Euphyllura olivina* (Homoptera)  
*Filippia oleae* (Homoptera)  
*Parlatoria oleae* (Homoptera)  
*Phloeotribus scarabaeoides* (Coleoptera)  
*Pollinia pollonii* (Homoptera)  
*Prays oleellus* (Lepidoptera)

## ONCIDIUM:

- Conchaspis angraci* (Homoptera)  
*Furcaspis bifurmis* (Homoptera)  
*Puto ulter* (Homoptera)  
*Vinsonia stellifera* (Homoptera)

## OPUNTIA:

- Ceratitis capitata* (Diptera)

## ORCHID:

- Acroleucus vicinalis* (Hemiptera)  
*Apion auctum* (?) (Coleoptera)  
*Aspidiotus destructor* (Homoptera)  
*Asterolecanium epidendri* (Homoptera)  
*Chrysomphalus diversicolor* (Homoptera)  
*Chrysomphalus tenax* (Homoptera)  
*Chrysomphalus umboniferus* (Homoptera)  
*Cleogonus armatus* (Coleoptera)

## ORCHID—Continued

- Clerada apicornis* (Hemiptera)  
*Conchaspis angraci* (Homoptera)  
*Diorymerellus laevimargo* (Coleoptera)  
*Eurytoma orchidearum* (Hymenoptera)  
*Erpochiomeria albomaculata* (Hemiptera)  
*Furcaspis bifurmis* (Homoptera)  
*Genuchinus v-notatus* (Coleoptera)  
*Lecanodiaspis dendrobii* (Homoptera)  
*Lygaeus circumlinatus* (Hemiptera)  
*Lygaeus circumspicatus* (Hemiptera)  
*Malocampa punctata* (Lepidoptera)  
*Mordellistena cattleyana* (Coleoptera)  
*Mormidea collaris* (Hemiptera)  
*Nysius terrestris* (Hemiptera)  
*Parlatoria pseudaspidiolus* (Homoptera)  
*Praebissus alboscissatus* (Hemiptera)  
*Pseudischnaspis alienus* (Homoptera)  
*Puto mexicanus* (Homoptera)  
*Puto ulter* (Homoptera)  
*Tadius erirhinoides* (Coleoptera)  
*Tenthecoris angustimarginatus* (Hemiptera)  
*Tenthecoris bicolor* (Hemiptera)  
*Tenthecoris confusus* (Hemiptera)  
*Tenthecoris orchidearum* (Hemiptera)  
*Vinsonia stellifera* (Homoptera)

## ORCHIS:

- Furcaspis bifurmis* (Homoptera)

## ORNITHOGALUM:

- Haplothrips bagnalli* (Thysanoptera)  
*Lampetia equestris* (Diptera)

## ORYZA:

- Chilo simplex* (Lepidoptera)

## PAEONIA:

- Lepidosaphes kuwacola* (Homoptera)  
*Reticulitermes speratus* (Isoptera)

## PALM:

- Aspidiotus herculeanus* (Homoptera)  
*Chrysomphalus sphaeroides* (Homoptera)  
*Dinoderus bifoveolatus* (Coleoptera)  
*Dysdercus mimulus* (Hemiptera)  
*Furcaspis bifurmis* (Homoptera)  
*Lepidosaphes mcgregori* (Homoptera)  
*Pinaspis buzi* (Homoptera)  
*Pseudischnaspis alienus* (Homoptera)

## PANDANUS:

- Pseudococcus giffardi* (Homoptera)

## PASSIFLORA:

- Frankliniella cubensis* (Thysanoptera)

## PERISTERIA:

- Vinsonia stellifera* (Homoptera)

## PERSEA:

- Anastrepha ludens* (Diptera)  
*Aspidiotus destructor* (Homoptera)  
*Ceratitis capitata* (Diptera)  
*Conotrachelus aguacatae* (Coleoptera)  
*Conotrachelus perseae* (Coleoptera)  
*Dacus dorsalis* (Diptera)  
*Erpochiomeria albomaculata* (Hemiptera)  
*Stenoma catenifer* (Lepidoptera)  
*Thamnomphorinus schwarzzi* (Coleoptera)

## PETIVERIA:

- Cylas formicarius elegantulus* (Coleoptera)

## PETROSELINUM:

- Strophosoma melanogrammmum* (Coleoptera)

## PHASEOLUS LUNATUS MACROCARPUS:

- Maruca testulalis* (Lepidoptera)

## PHASEOLUS VULGARIS:

- Acanthoscelides obvelatus* (Coleoptera)

## PHASEOLUS VULGARIS VAR.:

- Epinotia opposita* (Lepidoptera)  
*Eteser conynias* (Lepidoptera)  
*Fundella pellucens* (Lepidoptera)  
*Lampides boeticus* (?) (Lepidoptera)  
*Maruca testulalis* (Lepidoptera)

## PHILODENDRON:

- Psychomyrmex tristansi* (Hymenoptera)  
*Chrysomphalus nigropunctatus* (Homoptera)  
*Chrysomphalus sphaeroides* (Homoptera)  
*Chrysomphalus tenax* (Homoptera)  
*Iridomyrmex iniquus* (Hymenoptera)  
*Lepidosaphes carinata* (Homoptera)  
*Pinaspis buzi* (Homoptera)

## PHOENIX:

- Coccotrypes dactyliperda* (Coleoptera)  
*Dinoderus bifoveolatus* (Coleoptera)



## Hosts and insects—Continued

- PHYSALIS:**  
*Trichobaris mucorea* (Coleoptera)
- PICEA:**  
*Hylurgops palliatus* (Coleoptera)  
*Laspeyresia strobilella* (Lepidoptera)  
*Pityogenes chalcographus* (Coleoptera)
- PINUS:**  
*Aspidiotus abietis* (Homoptera)  
*Aspidiotus corticis-pini* (Homoptera)  
*Dendroctonus mexicanus* (Coleoptera)  
*Dryocoetes autographus* (Coleoptera)  
*Dryocoetes septentrionis* (Coleoptera)  
*Hylurgops palliatus* (Coleoptera)  
*Leucaspis loewi* (Homoptera)  
*Pityogenes bidensatus* (Coleoptera)  
*Pityogenes chalcographus* (Coleoptera)  
*Poliaspis pini* (Homoptera)
- PISTACIA:**  
*Megastigmus pistaciae* (Hymenoptera)
- PISUM:**  
*Laspeyresia nigricana* (Lepidoptera)
- PITHECELLOBIUM:**  
*"Targionia" cueroensis* (Homoptera)
- PRIMULA:**  
*Taeniothrips picipes* (Thysanoptera)
- PRUNUS ARMENIACA:**  
*Ceratitis capitata* (Diptera)  
*Lecanium coryli* (Homoptera)  
*Nilotaspis halli* (Homoptera)  
*Parlatoria oleae* (Homoptera)
- PRUNUS CERASUS:**  
*Iridomyrmex iloi abbotti* (Hymenoptera)
- PRUNUS DOMESTICA:**  
*Ceratitis capitata* (?) (Diptera)  
*Epidiaspis piricola* (Homoptera)  
*Parlatoria oleae* (Homoptera)  
*Pseudococcus gahani* (Homoptera)
- PRUNUS PERSICA:**  
*Anastrepha fraterculus* (Diptera)  
*Anastrepha ludens* (Diptera)  
*Ceratitis capitata* (Diptera)  
*Grapholliha molesta* (Lepidoptera)
- PRUNUS PERSICA NECTARINA:**  
*Ceratitis capitata* (Diptera)  
*Epidiaspis piricola* (Homoptera)
- PRUNUS SP. (cherry):**  
*Rhagoletis cerasi* (Diptera)
- PRUNUS SP. (wild plum):**  
*Anthonomus scutellaris* (Coleoptera)
- PSIDIUM:**  
*Aleuroglandulus emmae* (Homoptera)  
*Aleurothrixus floccosus* (Homoptera)  
*Anastrepha ludens* (Diptera)  
*Anastrepha mombinpraeoptans* (?) (Diptera)  
*Anastrepha striata* (Diptera)  
*Anastrepha suspensa* (Diptera)  
*Ceratitis capitata* (Diptera)
- PUERARIA:**  
*Callosobruchus ademptus* (Coleoptera)
- PUNICA:**  
*Anastrepha ludens* (Diptera)  
*Ceratitis capitata* (Diptera)  
*Cryptoblabes gnidiella* (Lepidoptera)  
*Myelois ceratoniae* (Lepidoptera)
- PYRUS:**  
*Anastrepha ludens* (Diptera)  
*Carposina sasakii* (Lepidoptera)  
*Ceratitis capitata* (Diptera)  
*Grapholliha molesta* (Lepidoptera)
- QUERCUS:**  
*Curculio elephas* (Coleoptera)  
*Trialeurodes intermedia* (?) (Homoptera)
- RANUNCULUS:**  
*Aphis rhamni* (?) (Homoptera)
- RHODODENDRON:**  
*Coeliodes rubicundus* (Coleoptera)  
*Dialeurodes chittendeni* (Homoptera)  
*Gracilaria azalella* (Lepidoptera)  
*Masonaphis rhododendri* (Homoptera)  
*Nematus bergmanni* (Hymenoptera)  
*Newsteadia floccosa* (Homoptera)  
*Strophosoma melanogrammus* (Coleoptera)
- RHYNCHOSIA:**  
*Acanthoscelides griseolus* (Coleoptera)
- RIBES:**  
*Apion africanus* (Coleoptera)  
*Stenocerus fuliginosus* (Coleoptera)
- RORIPPA:**  
*Evergestis rimosalis* (Lepidoptera)
- ROSA:**  
*Allantus cinctus* (Hymenoptera)  
*Arge rosae* (Hymenoptera)  
*Cacoccia pronubana* (Lepidoptera)  
*Parlatoria oleae* (Homoptera)  
*Selenothrips rubrocinctus* (Thysanoptera)  
*Strophosoma capitatus* (Coleoptera)  
*Taeniothrips atratus* (Thysanoptera)
- SACCHARUM:**  
*Diatraea busckella* (Lepidoptera)  
*Pseudococcus boninsis* (Homoptera)  
*"Targionia" sacchari* (Homoptera)  
*Trionymus sacchari* (Homoptera)
- SALVIA:**  
*Amilermes wheeleri* (Isoptera)
- SAPOTE:**  
*Anastrepha ludens* (Diptera)  
*Anastrepha serpentina* (Diptera)
- SCHOMBURGKIA:**  
*Chrysomphalus tenax* (Homoptera)
- SCINDAPSUS:**  
*Pinnaspis buxi* (Homoptera)
- SOIL:**  
*Agriotes lineatus* (Coleoptera)  
*Brachyrhinus oratus* (Coleoptera)  
*Brachyrhinus porcatus* (Coleoptera)  
*Brachyrhinus rugosostriatus* (Coleoptera)  
*Hypera nigrostris* (Coleoptera)  
*Monomorium destructor* (Hymenoptera)  
*Rhyarochromus chiragra* (Hemiptera)  
*Sitona hispidula* (Coleoptera)  
*Taeniothrips atratus* (Thysanoptera)
- SOLANUM:**  
*Epicaerus cognatus* (Coleoptera)
- SORGHUM:**  
*Gortyna flavago* (Lepidoptera)  
*Pyrausta nubilalis* (Lepidoptera)  
*Sesamia cretica* (Lepidoptera)
- SPARTIUM:**  
*Sparteus villosus* (Coleoptera)
- SPONDIAS:**  
*Anastrepha mombinpraeoptans* (Diptera)
- STAPELIA:**  
*"Chionaspis" indigoferae* (Homoptera)
- STRELITZIA:**  
*Phenacaspis sandwicensis* (Homoptera)
- SYRINGA:**  
*Adoxophyes orana* (Lepidoptera)
- TAGETES:**  
*Haplothrips gowdeyi* (Thysanoptera)  
*Pinus villiger* (Coleoptera)
- TAMARINDUS:**  
*Caryedon fuscus* (Coleoptera)  
*Monomorium destructor* (Hymenoptera)  
*Myelois ceratoniae* (Lepidoptera)
- THUJA:**  
*Lepidosaphes pallida* (Homoptera)
- TILIA:**  
*Lecanium coryli* (Homoptera)
- TILLANDSIA:**  
*Catolothrus ebeninus* (Coleoptera)
- TRIFOLIUM:**  
*Hypera postica* (Coleoptera)
- TRIPLOCHITON:**  
*Heterobostrychus brunneus* (Coleoptera)
- TULIPA:**  
*Taeniothrips atratus* (Thysanoptera)
- ULMUS (?):**  
*Leperisinus frazini* (Coleoptera)
- ULMUS:**  
*Pteleobius vittatus* (Coleoptera)
- VANDA:**  
*Asterolecanium epidendri* (Homoptera)  
*Furcaspis bififormis* (Homoptera)  
*Monomorium destructor* (Hymenoptera)
- VICIA:**  
*Apion pomonae* (?) (Coleoptera)  
*Bruchus luteicornis* (Coleoptera)  
*Bruchus tristis* (Coleoptera)  
*Rhinococcus stigma* (Coleoptera)
- VITIS:**  
*Carbula trisignata* (Hemiptera)  
*Ceratitis capitata* (Diptera)  
*Cryptoblabes gnidiella* (Lepidoptera)

## Hosts and insects—Continued

## VITIS—Continued

*Leptoglossus chilensis* (Hemiptera)  
*Megalometis chilensis* (Coleoptera)  
*Phlyctinus callosus* (Coleoptera)  
*Polychrosis botrana* (Lepidoptera)

## YUCCA:

*Chrysomphalus agavis* (Homoptera)

## ZANTEDESCHIA:

*Thrips angusticeps* (Thysanoptera)

## ZEA:

*Moodna bisinuella* (Lepidoptera)  
*Pyrausta nubilalis* (Lepidoptera)  
*Sesamia cretica* (Lepidoptera)

## ZINGIBER:

*Palaeopus costicollis* (Coleoptera)

## Hosts unknown

## AIRPLANE:

*Ethmia festiva* (Lepidoptera)  
*Hoplosternus japonicus* (Coleoptera)  
*Laphygma eximpta* (Lepidoptera)  
*Maruca testulalis* (Lepidoptera)  
*Ozophora consanguinea* (Hemiptera)  
*Platyptus rugulosus* (Coleoptera)  
*Tmetomorphia bitias* (Lepidoptera)

## BARK:

*Ips acuminatus* (Coleoptera)  
*Metopoplax ditomoides* (Hemiptera)  
*Microplax plagiatus* (Hemiptera)

## BEAN:

*Callosobruchus phaseoli* (Coleoptera)

## CARGO HOLD:

*Achatina fulica* (Mollusca)

## FERN LOG:

*Dryophthorus pusillus* (Coleoptera)

## FLOWERS:

*Haplothrips gowdeyi* (Thysanoptera)  
*Oxythyrea funesta* (Coleoptera)  
*Taeniothrips hawaiiensis* (Thysanoptera)  
*Thrips angusticeps* (Thysanoptera)

## HERB:

*Heterobostrychus aequalis* (Coleoptera)  
*Megalopyge junesta* (Coleoptera)  
*Parlatoria zizyphus* (Homoptera)  
*Xylobiops texanum* (Coleoptera)

## LEAF:

*Asterolecanium epidendri* (Homoptera)  
*Chrysomphalus personatus* (Homoptera)  
*Pachyzancla periusalis* (Lepidoptera)  
*Protopulvinaria pyriformis* (Homoptera)  
*Tetraleurodes acaciae* (Homoptera)

## LOG:

*Cordylomera spinicornis* (Lepidoptera)  
*Nasutitermes fulviceps* (Isoptera)

## NURSERY STOCK:

*Rhyarochromus chiragra* (Hemiptera)

## PACKING:

*Acalypta parvula* (Hemiptera)  
*Ceutorhynchus contractus* (Coleoptera)  
*Ceutorhynchus erysimi* (Coleoptera)  
*Chalcophana ferrida* (Coleoptera)  
*Drymus assimilis* (Hemiptera)  
*Hypera plantaginis* (?) (Coleoptera)  
*Naupactus xanthographus* (Coleoptera)  
*Orobilis cyaneus* (Coleoptera)  
*Orthiziola signoreti* (Homoptera)  
*Orthochaetes setiger* (Coleoptera)  
*Sitona lineata* (Coleoptera)

## PLANT:

*Chrysomphalus odontoglossi* (Homoptera)  
*Cryptoblabes gnidiella* (Lepidoptera)  
*Deroceras reticulatum* (Mollusca)  
*Ferrisiana virgata* (Homoptera)  
*Lepidosaphes celtis* (Homoptera)  
*Pulvinaria psidii* (Homoptera)

## RETURNED WAR EQUIPMENT:

*Achatina fulica* (Mollusca)

## SEED:

*Coccotrypes dactyliperda* (Coleoptera)  
*Protopulvinaria longivalvata* (Homoptera)

## TRUCK BED:

*Nasutitermes luzonicus* (Isoptera)

## TUBER:

*Gortyna flavago* (?) (Lepidoptera)

## WOOD:

*Callidum aeneum* (Coleoptera)  
*Hylurgops palliatus* (Coleoptera)  
*Pityogenes bidentatus* (Coleoptera)  
*Pityogenes chalcographus* (Coleoptera)  
*Renocis mexicanus* (Coleoptera)  
*Sinozylon anale* (Coleoptera)  
*Sinozylon crassum* (Coleoptera)

## WOODS MOSS:

*Brachyrhinus singularis* (Coleoptera)  
*Ceutorhynchus contractus* (Coleoptera)  
*Hypera nigrirostris* (Coleoptera)  
*Hypera postica* (Coleoptera)  
*Sitona humeralis* (Coleoptera)

## Countries of origin and insects

## AFRICA:

*Ceratitidis capitata*

## ALGERIA:

*Anuraphis cynarae* (?)  
*Ceratitidis capitata*  
*Dacus oleae* (?)  
*Hyadaphis apii*  
*Parlatoria zizyphus*  
*Sitona crinita*

## AMERICAN SAMOA:

*Icerya aegyptiaca*

## ANTIGUA:

"*Targionia*" *hartii*  
*Vinsonia stellifera*

## ARGENTINA:

*Anastrepha fraterculus*

## ARUBA:

*Parlatoria zizyphus*

## AUSTRALIA:

*Lepidosaphes tuberculata*  
*Pantomorus godmani*  
*Parlatoria zizyphus*

## AUSTRIA:

*Leucaspis loewi*  
*Nemotois violellus* (?)  
*Rhagoletis cerasi*

## AZORES:

*Ceratitidis capitata*  
*Curculio elephas*  
*Laspeyresia splendana*

## BAHAMAS:

*Aleurothrixus floccosus*  
*Ancylostoma stercora*  
*Dialeurodes citrifolii*  
*Pectinophora gossypiella*

## BARBADOS:

*Asterolecanium bambusae*  
*Asterolecanium mliaris miliaris*  
*Aulacaspis tubercularis*  
"*Targionia*" *hartii*

## BELGIUM:

*Brachyrhinus sulcatus*  
*Bruchus tristis*  
*Gracilaria azalea*  
*Hypera nigrirostris*  
*Lepidosaphes tuberculata*  
*Tetraleurodes lauri*

## BERMUDA:

*Conchaspis angraeci*  
*Cryptoblabes gnidiella*  
*Cyrtopeltis varians*  
*Deroceras reticulatum*  
*Frankliniella cubensis*  
*Haplothrips gowdeyi* (?)  
*Iridomyrmex humilis*  
*Liriomyza congesta*  
*Morganella longispina*  
*Prodenia eridania*  
*Protopulvinaria pyriformis*  
*Pulvinaria psidii*

## Countries of origin and insects—Continued

## BRAZIL:

*Aganactes indecora*  
*Chrysomphalus paulistus*  
*Chrysomphalus personatus*  
*Dinoderus bifoveolatus*  
*Eurytoma orchidearum*  
*Eusepes postfasciatus*  
*Gymnandrosoma aurantianum*  
*Maruca testulalis*  
*Nasutitermes fulvipes*  
*Parlatoria cinerea*  
*Pectinophora gossypiella*  
*Stenoma anonella*  
*Stephanoderes hampei*  
*Tenthecoris orchidearum*  
*Vinsonia stellifera*

## BRITISH HONDURAS:

*Asterolecanium epidendri*  
*Pseudischnaspis alienus*

## BRITISH WEST AFRICA:

*Pectinophora gossypiella*

## BRITISH WEST INDIES:

*Acanthoscelides armitagei*  
*Palaeopus costicollis*

## CANADA:

*Capitophorus carduinus*  
*Dryocoetes septentrionis*  
*Rhagoletis pomonella*  
*Sitona hispidula*  
*Strophosoma melanogrammum*

## CANAL ZONE:

*Acanthoscelides armitagei*  
*Anastrepha mombinpraeoptans*  
*Ancylostomia stercora*  
*Aspidiotus destructor*  
*Asterolecanium epidendri*  
*Chrysomphalus richiei*  
*Chrysomphalus umboniferus*  
*Cleogonus armatus*  
*Conchaspis angraei*  
*Furcaspis biformis*  
*Lepidosaphes lokionis*  
*Leucaspis cockerelli*  
*Parlatoria pseudaspidiotus*  
*Pinnaspis buxi*  
*Protopulvinaria longivalvata*  
*Pseudischnaspis alienus*  
*Stenoma catenifer*  
*Stephanoderes buscki*  
*Tenthecoris distinguendus*  
*Vinsonia stellifera*

## CANARY ISLANDS:

*Lampides boeticus* (?)

## CAROLINE ISLANDS:

*Vinsonia stellifera*

## CEYLON:

*Furcaspis biformis*

## CHILE:

*Aceria tulipae*  
*Epidiaspis piricola*  
*Leptoglossus chilensis*  
*Megalometis chilensis*  
*Naupactus xanthographus*  
*Pseudococcus gahani*

## CHINA:

*Aleurotuberculus jasmini*  
*Carpocapsa sasakii*  
*Dialeurodes kirkaldyi*  
*Dinoderus bifoveolatus*  
*Parlatoria camelliae*  
*Parlatoria zizyphus*  
*Unaspis yanonensis*

## COLOMBIA:

*Eurytoma orchidearum*  
*Exptochiomera albomaculata*  
*Furcaspis biformis*  
*Iridomyrmex iniquus*  
*Leucaspis cockerelli*  
*Mordellistena cattlejana*  
*Unaspis citri*

## COSTA RICA:

*Anastrepha ludens*  
*Apsychomyrmex tristansi*  
*Aspidiotus destructor*  
*Asterolecanium epidendri*  
*Asterolecanium truncatum*

## COSTA RICA—Continued

*Chrysomphalus umboniferus*  
*Dialeurodes citrifolii*  
*Draeculacephala lenticula*  
*Leucaspis cockerelli*  
*Metamasius sericeus*  
*Platypus rugulosus*  
*Pseudischnaspis alienus*  
*Stenoma catenifer*

## CRETE:

*Dacus oleae*

## CUBA:

*Anastrepha mombinpraeoptans*  
*Aspidiotus destructor*  
*Asterolecanium epidendri*  
*Asterolecanium miliaris* 'miliaris'  
*Chalcophana ferrida*  
*Chrysomphalus tenax*  
*Coccus viridis*  
*Conchaspis angraei*  
*Cylas formicarius elegantulus*  
*Eurythmia santiagella*  
*Fiorinia nephelii*  
*Fundella pellucens*  
*Furcaspis biformis*  
*Gyndictolthrips ficorum*  
*Haplothrips gowdeyi*  
*Heterobostrychus aequalis*  
*Maruca testulalis*  
*Pheidole megacephala*  
*Platynota rostrana*  
*Pseudococcus boninensis*  
*Pulvinaria psidii*  
*Ribua imoria*  
*"Targionia" hartii*  
*"Targionia" sacchari*  
*Unaspis citri*

## CURACAO:

*Megalopyge krugii*  
*Parlatoria cinerea*

## CYPRUS:

*Ceratitis capitata*

## DENMARK:

*Agriotes lineatus*  
*Callidium aeneum*  
*Hypera postica*  
*Lecanium coryli*  
*Pityogenes bidentatus*  
*Sitona humeralis*

## DOMINICAN REPUBLIC:

*Aleurothrixus floccosus*  
*Anastrepha mombinpraeoptans*  
*Anastrepha suspensa*  
*Furcaspis biformis*  
*Stenoma catenifer*

## ECUADOR:

*Metamasius sericeus*  
*Stenoma catenifer*

## EGYPT:

*Ceratitis capitata*  
*"Chionaspis" stanotophri*  
*Cryptoblabes gmidella*  
*Lixus juncti*  
*Parlatoria oleae*  
*Pectinophora gossypiella*

## ENGLAND:

*Acalypta parvula*  
*Allantus cinctus*  
*Arctothezia calaphracta*  
*Cacoecia pronubana*  
*Ceutorhynchus contractus*  
*Ceutorhynchus erysimi*  
*Cnephasia virgaureana*  
*Coeliodes rubicundus*  
*Deroceras reticulatum*  
*Drymus assimilis*  
*Gelechia ericetella*  
*Gracilaria azaleella*  
*Hypera nigritrostris*  
*Hypera plantaginis* (?)  
*Laspeyresia splendana*  
*Leperisinus fraxini*  
*Lepidosaphes tuberculata*  
*Lygus lucorum*  
*Mamestra brassicae*  
*Myrmica laevinodis*



## Countries of origin and insects—Continued

## ENGLAND—Continued

*Neustedia floccosa*  
*Oligotrophus betulae*  
*Orobitis cyaneus*  
*Ortheziola signoreti*  
*Orthochaetes setiger*  
*Phytomyza atricornis*  
*Pteleobius vittatus*  
*Rhagoletis cerasi*  
*Strophosoma melanogrammum*  
*Strophosoma reclusus* (?)  
*Taeniothrips atratus*  
*Taeniothrips ericae*  
*Taeniothrips picipes*

## ETHIOPIA:

*Aleoaphagus myersi*  
*Systole geniculata*

## FIJI ISLANDS:

*Dacus dorsalis* (?)

## FORMOSA:

*Parlatoria pseudaspidotus*

## FRANCE:

*Aphis rhamni* (?)  
*Apion carduorum*  
*Apion pomonae* (?)  
*Bruchus luteicornis*  
*Cacoecia pronubana*  
*Ceratitis capitata*  
*Ceroplastes japonicus*  
*Crioceris lilii*  
*Curculio elephas*  
*Epidiaspis piricola*  
*Evergestis forficatus*  
*Laspeyresia splendana*  
*Mamestra brassicae*  
*Oxythya funesta*  
*Parlatoria zizyphus*  
*Phalonia zephyrana*  
*Pieris brassicae*  
*Rhagoletis cerasi*

## FRENCH WEST AFRICA (?):

*Parlatoria zizyphus*

## GERMANY:

*Allantus cinctus*  
*Anthonomus pomorum*  
*Apion apricans*  
*Arge rosae*  
*Aspidiotus abietis*  
*Aspidiotus pyri*  
*Bruchus luteicornis*  
*Callidium aeneum*  
*Curculio nucum*  
*Dryocoetes autographus*  
*Hylurgops palliatus*  
*Lampetia equestris*  
*Laspeyresia strobilella*  
*Leucaspis loewi*  
*Pityogenes chalcographus*  
*Rhagoletis cerasi*  
*Rhyarochromus chiragra*  
*Stenocarus fuliginosus*  
*Taeniothrips atratus*  
*Taeniothrips dianthi*

## GIBRALTAR (?):

*Ceratitis capitata*

## GOLD COAST:

*Cordylomera spinicornis*  
*Dinoderus bifoveolatus*  
*Heterobostrychus brunneus*  
*"Targionia" hartii*

## GRAND CAYMAN:

*"Targionia" hartii*

## GREAT BRITAIN:

*Tingis cardui*

## GREECE:

*Ceratitis capitata*  
*Ceroplastes rusci*  
*Cryptoblabes gnidiella*  
*Dacus oleae*  
*Gortyna flavago*  
*Lecanium coryli*  
*Leucaspis candida*  
*Leucaspis loewi*  
*Nilotaspis halli*  
*Parlatoria oleae*  
*Polychrostis botrana*  
*Sesamia cretica*

## GRENADA:

*Genopaschia protomis* (?)

## GUAM:

*Achatina fulica*  
*Ceroplastes rubens*  
*Ferrisiana virgata*

## GUATEMALA:

*Acanthoscelides obvelatus*  
*Anastrepha ludens*  
*Anastrepha mombinpraeoptans*  
*Anastrepha serpentina*  
*Apion auctum* (?)  
*Chrysomphalus nigropunctatus*  
*Chrysomphalus tenax*  
*Chrysomphalus umboniferus*  
*Coccus viridis*  
*Ferrisiana virgata*  
*Furcaspis biformis*  
*Lecaniodiaspis dendrobii*  
*Metamasius sericeus carbonarius*  
*Morganella longispina*  
*Neoclytus cacicus*  
*Protopulvinaria pyriformis*  
*Puto uller*

## HAITI:

*Anastrepha mombinpraeoptans*  
*Cylas formicarius elegantulus*  
*Exophthalmus laetus*  
*Haplothrips gowdeyi*  
*Mimosestes dominicana*  
*Pachyzancla bipunctalis*

## HAWAII:

*Aonidiella inornata*  
*Caryedon fuscus*  
*Ceratitis capitata*  
*Ceroplastes rubens*  
*Coccotrypes dactyliperda*  
*Coccus viridis*  
*Cryptorhynchus mangiferae*  
*Dacus cucurbitae*  
*Dacus dorsalis*  
*Dialeurodes citri*  
*Dialeurodes kirkaldyi*  
*Dryophthorus pusillus*  
*Ereunetis flavistriata*  
*Euscepes postfasciatus*  
*Furcaspis biformis*  
*Haplothrips gowdeyi*  
*Lampides boeticus*  
*Lepidosaphes tokionis*  
*Maruca testulalis*  
*Nysius terrestris*  
*Parlatoria crotonis*  
*Parlatoria pseudaspidotus*  
*Parthenothrips dracaena*  
*Pectinophora gossypiella*  
*Phenacaspis sandwicensis*  
*Pinnaspis buxi*  
*Pseudococcus giffardi*  
*Pseudococcus palmarum*  
*Pulvinaria psidii*  
*Taeniothrips hawaiiensis*

## HONDURAS:

*Acanthoderes circumflexa*  
*Anastrepha mombinpraeoptans*  
*Chrysomphalus tenax*  
*Furcaspis biformis*  
*Metamasius sericeus*  
*Stenoma catenifer*  
*Tentecoris bicolor*

## INDIA:

*Aspidiotus destructor*  
*Coccotrypes dactyliperda*  
*Cryptorhynchus mangiferae*  
*Dinoderus brevis*  
*Haplothrips gowdeyi*  
*Lepidosaphes mcgregori*  
*Lepidosaphes tuberculata*  
*Monomorium destructor*  
*Paraputo taraktogeni*  
*Pectinophora gossypiella*  
*Sinozylon anale*  
*Sinozylon crassum*

## INDONESIA:

*Monomorium destructor*

## IRAQ:

*Bruchus rufipes*

## Countries of origin and insects—Continued

## IRELAND:

*Anaphothrips obscurus*  
*Evergestis forficatis*  
*Hypera postica*

## ISRAEL:

*Ceratitis capitata*  
*Lineaspis striata*  
*Parlatoria cinerea*  
*Polychrosis botrana* (?)

## ITALY:

*Acrolepia assectella*  
*Apion carduorum*  
*Brachycerus albidentatus*  
*Brachycerus algerius*  
*Bruchus ervi*  
*Bruchus signaticornis*  
*Cacoecia pronubana*  
*Ceratitis capitata*  
*Ceroplastes ruscii*  
*Cryptoblabes gnidiella*  
*Curculio elephas*  
*Curculio nucum*  
*Dacus oleae*  
*Deroceras reticulatum*  
*Dyspessa ulula*  
*Euphilippia olivina*  
*Filippia oleae*  
*Gortyna flavago*  
*Hemiteles juliana*  
*Homotoma ficus*  
*Iridomyrmex humilis*  
*Lampetia equestris*  
*Laspeyresia juliana*  
*Laspeyresia splendana*  
*Lepidosaphes ficus*  
*Mamestra brassicae*  
*Megastigmus pistaciae*  
*Myelois ceratoniae*  
*Notochilus damryi*  
*Parlatoria camelliae*  
*Parlatoria oleae*  
*Parlatoria zizyphus*  
*Parnema balteus*  
*Pectinophora gossypiella*  
*Phloeotribus scarabaeoides*  
*Pieris brassicae*  
*Pollinia pollonii*  
*Polychrosis botrana*  
*Prays oleellus*  
*Pyrausta nubilalis*  
*Rhagoletis cerasi*  
*Sesamia cretica*  
*Sparticus villosus*  
*Thrips angusticeps*  
*Trialeurodes lauri*  
*Trupanea stellata*

## JAMAICA:

*Aleurothrixus floccosus*  
*Anastrepha mombinpraeoptans*  
*Anastrepha suspensa*  
*Asterolecanium epidendri*  
*Caryedon fuscus*  
*Chrysomphalus odontoglossi*  
*Cylas formicarius elegantulus*  
*Leucaspis cockerelli*  
*Monomorium destructor*  
*Myelois ceratoniae*  
*Palaeopus costicollis*  
*Paraleyrodes goyabae*  
*Stenomoma anonella*  
*Tetraleurodes acaciae*  
*Vinsonia stellifera*

## JAPAN:

*Aleurolobus marlatti*  
*Aleurotuberculatus similis*  
*Aspidiotus corticis-pini*  
*Aspidiotus pseudomayeri*  
*Capitophorus formosanus*  
*Ceroplastes ceriferus*  
*Ceroplastes rubens*  
*Chilo simplex*  
*Dinoderus brevis*  
*Gracilaria azaleella*  
*Grapholitha molesta*  
*Hoplosternus japonicus*  
*Iridomyrmex itoi abbotti*

## JAPAN—Continued

*Laphygma exempta*  
*Lepidosaphes celtis*  
*Lepidosaphes conchiformis*  
*Lepidosaphes kuwacola*  
*Lepidosaphes pallida*  
*Maruca testulalis*  
*Microleon longipalpis*  
*Monomorium destructor*  
*Parlatoria camelliae*  
*"Poliaspis" pini*  
*Pyrausta nubilalis*  
*Reticulitermes speratus*  
*Thrips angusticeps*  
*Unaspis yanonensis*

## KOREA:

*Callosobruchus ademptus*  
*Lepidosaphes conchiformis*  
*Pectinophora gossypiella*

## LEBANON:

*Ceratitis capitata*  
*Cryptoblabes gnidiella*  
*Dacus oleae*

## LIBERIA:

*Cylas femoralis*

## MALTA:

*Ceratitis capitata*

## MEXICO:

*Acanthoscelides griseolus*  
*Aceria tulipae*  
*Acroleucus vicinalis*  
*Aleurocanthus woglumi*  
*Aleurodicus dugesii*  
*Aleuroglandulus emmae*  
*Aleuroparadoxus gardeniae*  
*Aleuroplatus coccolus*  
*Aleuroplatus plumosus*  
*Aleurothrixus floccosus*  
*Alpheias conspirata*  
*Amilermes wheeleri*  
*Anastrepha fraterculus*  
*Anastrepha ludens*  
*Anastrepha mombinpraeoptans*  
*Anastrepha serpentina*  
*Anthonomus scutellaris*  
*Aspidiotus destructor*  
*Aspidiotus herculeanus*  
*Asterolecanium epidendri*  
*Aulacaspis tubercularis*  
*Catolethrus ebeninus*  
*Chalcodermus dentiferus*  
*Chrysomphalus agavis*  
*Chrysomphalus personatus*  
*Chrysomphalus sphaeroides*  
*Chrysomphalus tenax*  
*Chrysomphalus tingi*  
*Chrysomphalus umboniferus*  
*Clerada apicornis*  
*Conchaspis angraei*  
*Conotrachelus aguacatae*  
*Conotrachelus perseae*  
*Cylas formicarius elegantulus*  
*Dendroctonus mexicanus*  
*Dialeurodes citri*  
*Diorymerellus laevimargo*  
*Draeculacephala minerva*  
*Dysdercus mimulus*  
*Epicaerus cognatus*  
*Epinotia opposita*  
*Ethmia festiva*  
*Eucalyptus tessellatus*  
*Eutheola bidentata*  
*Everes comyntas*  
*Evergestis rimosalis*  
*Explochiomera albomaculata*  
*Ferrisiana virgata*  
*Furcaspis biformis*  
*Gargaphia patricia*  
*Genuchinus v-notatus*  
*Gerstaeckeria mutillaria*  
*Gnorimoschema gudmannella*  
*Grapholitha packardii*  
*Hemileuca oliviae*  
*Heteropsylla texana*  
*Lecaniodiaspis dendrobii*  
*Lepidosaphes carinata*

## Countries of origin and insects—Continued

## MEXICO—Continued

*Lepidosaphes philococcus*  
*Leptophobia aripa*  
*Lichtensia lutea*  
*Ligyrocoris aurivilliana*  
*Lineodes integra*  
*Loxostege similalis*  
*Lygaeus circumlinitus*  
*Lygaeus circumplicatus*  
*Malocampa punctata*  
*Micrapate labialis*  
*Monellia costalis*  
*Moodna bisinuella*  
*Mormidea collaris*  
*Myzocallis caryaefoliae*  
*Neoleucinodes elegantalis*  
*Noropsis hieroglyphica*  
*Orthodes melanops*  
*Ozophora consanguinea*  
*Pachyzancla bipunctalis*  
*Pantomorus godmani*  
*Parlatoria cinerea*  
*Pectinophora gossypiella*  
*Platynota rostrata*  
*Praebissus albofasciatus*  
*Pseudischmiaspis alienus*  
*Pseudodiaspis yuccae*  
*Ptinus villiger*  
*Puto lasiorum*  
*Puto mexicanus*  
*Rhagoletis completa*  
*Rhagoletis juglans*  
*Rhagoletis pomonella*  
*Rhopalosiphum subterraneum*  
*Scyphophorus acupunctatus*  
*Selenothrips rubrocinctus*  
*Sisamnes contractus*  
*Sizeonotus luteiceps*  
*Stenoma catenifer*  
*Talponia batesi*  
*"Targionia" bromiliae*  
*"Targionia" cueroensis*  
*Tenthecoris angustimarginatus*  
*Tenthecoris bicolor*  
*Tenthecoris confusus*  
*Tetraleurodes acaciae*  
*Thamnophthorus schwarzi*  
*Trialeurodes intermedia* (?)  
*Trialeurodes vitrinellus*  
*Trichobaris mucorea*  
*Trionymus sacchari*  
*Trioza magnoliae*  
*Xylobiops texanum*

## MONTSERRAT:

*Genopaschia protomis* (?)

## MOROCCO:

*Ezosoma lusitanica*  
*Lepidosaphes ficus*

## NETHERLANDS:

*Acrolepia assectella*  
*Adoxophyes orana*  
*Dialeurodes chittendeni*  
*Evergester forficatus*  
*Gracilaria azalella*  
*Lampetia equestris*  
*Leucaspis loewi*  
*Liosomaphis berberidis*  
*Lygus campestris*  
*Mamestra brassicae*  
*Masonaphis rhododendri*  
*Nematus bergmanni*  
*Phytomyza rufipes*  
*Pityogenes bidentatus*  
*Psylla buxi*  
*Sitona lineata*  
*Strophosoma capitatus*  
*Taeniothrips atratus*  
*Tarsonemus laticeps*

## NEVIS:

"*Targionia*" *hartii*

## NICARAGUA:

*Anastrepha ludens*  
*Anastrepha mombinpraeoptans*  
*Anastrepha serpentina*  
*Cosmopolites sordidus*

## NICARAGUA—Continued.

*Pinnaspis buxi*  
*Platypus rugulosus*

## NIGERIA:

*Aspidiotus destructor*  
*Cordylomera spinicornis*

## NORWAY:

*Allantus cinctus*  
*Gortyna flavago*

## PALESTINE:

*Ceratitis capitata*  
*Cryptoblabes gnidiella*

## PANAMA:

*Anastrepha mombinpraeoptans*  
*Anastrepha serpentina*  
*Aspidiotus destructor*  
*Asterolecanium epidendri*  
*Chrysomphalus umboniferus*  
*Coccus viridis*  
*Furcaspis biformis*  
*Leucaspis cockerelli*  
*Metamasius sericeus*  
*Stenoma anonella*  
*Stenoma catenifer*  
*Tmetomorpha bitias*

## PERU:

*Aleurocanthus woglumi*  
*Anastrepha serpentina* (?)  
*Epinotia opposita*

## PHILIPPINES:

*Achatina fulica*  
*Aonidiella inornata*  
*Aspidiotus coryphae*  
*Aspidiotus destructor*  
*Aspidiotus excisus*  
*Callosobruchus phaseoli*  
*Caryedon fuscus*  
*Chrysomphalus nulliporus*  
*Chrysomphalus tingi*  
*Dialeurodes kirkaldyi*  
*Lepidosaphes mcgregori*  
*Mertila malayensis*  
*Nasutitermes luzonicus*  
*Pseudaonidia trilobitiformis*  
*Pseudococcus palmarum*  
*Pulvinaria psidii*  
*Tadius erikinoideus*  
*Taeniothrips hawaiiensis*

## POLAND:

*Brachyrhinus ovatus*  
*Hypera nigrirostris*

## PORTUGAL:

*Ceratitis capitata*  
*Chaetanaphothrips orchidii*  
*Chrysomphalus diversicolor*  
*Cryptoblabes gnidiella*  
*Curculio elephas*  
*Epinotia tessulatana*  
*Laspeyresia nigricana*  
*Laspeyresia splendana*  
*Metopoplax ditomoides*  
*Microplax plagiatus*  
*Rhagoletis cerasi*

## PUERTO RICO:

*Acanthoscelides armitagei*  
*Anastrepha mombinpraeoptans*  
*Anastrepha suspensa*  
*Ancylostoma stercorea*  
*Coccus viridis*  
*Cylas formicarius elegantulus*  
*Exophthalmus roseipes*  
*Frankliniella cubensis*  
*Lepidosaphes ficus*  
*Maruca testulalis*  
*Metamasius sericeus*  
*Pachyzancla periusalis*  
*Pectinophora gossypiella*  
*"Targionia" sacchari*

## ST. KITTS:

*Monomorium destructor*  
*"Targionia" hartii*  
*Vinsonia stellifera*

## ST. LUCIA:

*Chrysomphalus umboniferus*  
*"Targionia" hartii*



## Countries of origin and diseases—Continued

## ST. VINCENT:

*Callosobruchus phaseoli*  
*Stephanoderes lecontei*

## SAIPAN:

*Achatina fulica*

## SALVADOR:

*Anastrepha ludens*  
*Anastrepha mombinpraeoptans*  
*Anastrepha serpentina*  
*Anastrepha striata*  
*Leucaspis cockerelli*

## SCOTLAND:

*Brachyrhinus singularis*  
*Ceutorhynchus contractus*  
*Gelechia ericetella*  
*Lampetia equestris*  
*Lochmaea capreae*  
*Orthotylus ericetorum*  
*Taeniothrips atratus*

## SIAM:

*Monomorium destructor*  
*Parlatoria pseudaspidiotus*

## SOUTH AMERICA:

*Coccidella americana*  
*Furcaspis biformis*  
*Pseudaonidia trilobitiformis*

## SPAIN:

*Brachycerus algerus*  
*Ceratitis capitata*  
*Cryptoblades gnidiella*  
*Curculio elephas*  
*Laspeyresia splendana*  
*Parlatoria zizyphi*  
*Rhagoletis cerasi*

## SWEDEN:

*Callidium aeneum*  
*Dicyphus annulatus*  
*Hylurgops palliatus*  
*Ips acuminatus*  
*Pityogenes bidentatus*  
*Pityogenes chalcographus*  
*Rhagoletis cerasi*  
*Taeniothrips atratus*

## SWITZERLAND:

*Agallia venosa*  
*Brachyrhinus porcalus*  
*Brachyrhinus rugosostriatus*  
*Parlatoria oleae*  
*Rhyarochromus chiragra*  
*Taeniothrips dianthi*

## SYRIA:

*Ceratitis capitata*  
*Dacus oleae*

*Monanthia echii*

## TAHITI:

*Parlatoria cinerea*

## TRINIDAD:

*Anastrepha mombinpraeoptans*  
*Anastrepha striata*  
*Ancylostomia stercora*  
*Asterolecanium epidendri*  
*Chrysomphalus personatus*

## TRINIDAD—Continued

*Eurytoma orchidearum*  
*Euscepes postfasciatus*  
*Furcaspis biformis*  
*Maruca testulalis*  
*Orthezia praelonga*  
*Palaeopus costicollis*  
*Parlatoria cinerea*  
*Pectinophora gossypiella*  
*Protopulvinaria longivalvata*  
*Protopulvinaria pyriformis*  
*Rhinocenus stigma*  
*Sphenarches caffer*  
*Thamnotettix hyalinapennis*  
*Vinsonia stellifera*

## TURKEY:

*Curculio elephas*

## UNION OF SOUTH AFRICA:

*Argyroploce leucotreta*  
*Asterolecanium stentae*  
*Bostrychophiles cornutus*  
*Carbula trisignata*  
*"Chionaspis" indigoferae*  
*Haplothrips bagnalli*  
*Heterobostrychus brunneus*  
*Lampetia equestris*  
*Morganella longispina*  
*Phlyctinus callosus*  
*Rhagoletis pomonella*  
*Specularius impressihorax*

## UNKNOWN:

*Ceratitis capitata*  
*Haplothrips gowdeyi*  
*Laphygma exempla*  
*Pectinophora gossypiella*  
*Rhagoletis pomonella (?)*  
*Stenoma catenifer*  
*Taeniothrips atratus*  
*Taeniothrips dianthi*

## VENEZUELA:

*Asterolecanium epidendri*  
*Aulacaspis tubercularis*  
*Coccus viridis*  
*Deroceras reticulatum*  
*Diatraea busckella*  
*Eurytoma orchidearum*  
*Furcaspis biformis*  
*Iridomyrmex iniquus*  
*Protopulvinaria longivalvata*  
*Pseudischnaspis alienus*  
*Stenoma catenifer*  
*Tentheceris venezuelensis*  
*Vinsonia stellifera*

## VIRGIN ISLANDS:

*Cylas formicarius elegantulus*  
*Euscepes postfasciatus*  
*Orthezia praelonga*  
*Vinsonia stellifera*

## YUGOSLAVIA:

*Curculio elephas*  
*Epidiaspis piricola*  
*Laspeyresia splendana*  
*Unaspis euonymi*

List of pests (diseases) collected and reported from July 1, 1950, to June 30, 1951, inclusive

[An asterisk indicates State inspection]

Disease and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Nonconsumption	Propagation	
<i>Alternaria citri</i> Ell. & Pierce:					
<i>Citrus paradisi</i> (grapefruit) .....	Argentina .....		1		Pa.
<i>Citrus reticulata</i> (Mandarin orange) .....	Japan, Mexico .....	1	2		Calif., * Tex.
<i>Citrus sinensis</i> (orange) .....	Mexico, Union of South Africa, Yugoslavia. ....	3	2		Calif., *N.Y., Pa., Tex.
<i>Citrus</i> sp. ....	Mexico .....	1			Tex.
<i>Alternaria dianthi</i> F. L. Stevens & J. G. Hall:					
<i>Dianthus</i> sp. ....	England .....			1	Wash.
<i>Gypsophila paniculata</i> (babysbreath) .....	Mexico .....	1			Tex.
<i>Alternaria porri</i> (Ell.) Cif.:					
<i>Allium cepa</i> (onion) .....	do. ....	1			Tex.
<i>Alternaria raphani</i> Groves & Skolko:					
<i>Mathiola</i> sp. (stock) .....	do. ....	1			Tex.
<i>Anguina tritici</i> (Steinbuch) Filp.:					
<i>Triticum aestivum</i> (wheat) .....	Syria, Turkey .....			4	D. C.
<i>Aphanomyces raphani</i> Kendr.:					
<i>Raphanus sativus</i> (radish) .....	Mexico .....	1			Tex.
<i>Aphelenchoides parietinus</i> (Bastian) Steiner:					
<i>Convallaria</i> sp. ....	Denmark .....			1	N. Y.
<i>Aphelenchus avenae</i> Bastian:					
<i>Allium cepa</i> (onion) .....	Mexico .....	1			Tex.
<i>Gladiolus</i> sp. ....	Netherlands .....			1	N. J.
Soil with cactus plants .....	Mexico .....			1	Ariz.
<i>Solanum tuberosum</i> (potato) .....	do. ....	2			Tex.
<i>Apiospora camptospora</i> Penz. & Sacc.:					
<i>Saccharum officinarum</i> (sugarcane) .....	do. ....	2			Tex.
<i>Apiospora montagnei</i> Sacc.:					
<i>Bamboo</i> .....	Japan .....	1			Tex.
<i>Ascochyta citri</i> Penz.:					
<i>Citrus sinensis</i> (orange) .....	Mexico .....	1			Tex.
<i>Botryosphaeria ribis</i> Gross. & Dugg.:					
<i>Citrus limon</i> (lemon) .....	Italy .....		1		Ala.
<i>Paeonia suffruticosa</i> (tree peony) .....	Japan .....			1	Calif.*
<i>Botrytis elliptica</i> (Berk.) Cke.:					
<i>Lilium auratum</i> (goldband lily) .....	do. ....			2	Calif.*
<i>Lilium hansonii</i> (hanson lily) .....	do. ....			1	Calif.*
<i>Lilium japonicum</i> (Japanese lily) .....	do. ....			1	Calif.*
<i>Lilium rubellum</i> (rubellum lily) .....	do. ....			1	Calif.*
<i>Lilium speciosum rubrum</i> (pink speciosum lily) .....	do. ....			4	Calif.*
<i>Lilium</i> sp. ....	China, Japan .....	1		1	Calif.*
<i>Lycoris radiata</i> (shorttube lycoris) .....	Japan .....			1	Calif.*
<i>Botrytis galanthina</i> (Berk. & Br.) Sacc.:					
<i>Galanthus nivalis</i> (snowdrop) .....	Netherlands .....			5	Calif.*
<i>Galanthus</i> sp. ....	do. ....			8	Md., Mass., N. Y., Pa.
<i>Botrytis gladiolorum</i> Timmermans:					
<i>Gladiolus</i> sp. ....	Austria, Japan, Mexico, Netherlands. ....	1		9	Calif., * Mich., Tex.
<i>Tritonia</i> sp. ....	Netherlands .....			1	N. J.
<i>Calospora platanoideis</i> (Fr.) Niessl:					
<i>Acer pseudoplatanus</i> (sycamore maple) .....	Denmark .....			1	N. J.
<i>Catacauma sabal</i> Chardon:					
Palm .....	Mexico .....	2			Tex.
<i>Cercospora angreci</i> Roum.:					
<i>Odontoglossum</i> sp. (orchid) .....	Belgium .....			2	N. J.
Orchid .....	Mexico .....			1	Tex.
<i>Stanhopea</i> sp. (orchid) .....	Guatemala .....			1	N. Y.
<i>Cercospora bocconiae</i> Chupp:					
<i>Bocconia frutescens</i> .....	Mexico .....			1	Tex.
<i>Cercospora centaureae</i> Died.:					
<i>Centaurea cyanus</i> (cornflower) .....	do. ....	1			Tex.
<i>Cercospora coffeicola</i> Berk. & Cke.:					
<i>Coffea</i> sp. (coffee) .....	do. ....			1	Ariz.
<i>Cercospora duddiae</i> Welles:					
<i>Allium cepa</i> (onion) .....	do. ....	1			Tex.
<i>Cercospora frazzinities</i> Ell. & Ev.:					
<i>Frazinus</i> sp. (ash) .....	do. ....	4			Tex.

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[An asterisk indicates State inspection]

Disease and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Nonentry	Propagation	
<i>Cercospora gossypina</i> Cke.: <i>Gossypium</i> sp. (cotton; leaf).....	Mexico.....	1			Tex.
<i>Cercospora handelii</i> Bub.: <i>Rhododendron</i> sp.....	Netherlands.....			1	N. J.
<i>Cercospora insulana</i> (Sacc.) Chupp: <i>Limonium sinuatum</i> .....	Mexico.....	1			Tex.
<i>Limonium</i> sp.....	do.....	1			Tex.
<i>Cercospora kaki</i> Ell. & Ev.: <i>Diospyros kaki</i> (kaki persimmon).....	Japan.....		1		Calif.*
<i>Cercospora lippiae</i> Ell. & Ev.: <i>Lippia alba</i> .....	Mexico.....	1			Tex.
<i>Cercospora lythracearum</i> Heald & Wolf: <i>Punica granatum</i> (pomegranate).....	do.....	1			Tex.
<i>Cercospora mangiferae</i> Koord.: <i>Mangifera indica</i> (mango).....	do.....		1		Calif.
<i>Cercospora musae</i> Zimm.: <i>Musa paradisica sapientum</i> (banana).....	Canal Zone, Colombia, Costa Rica, Guate- mala, Honduras, Mex- ico, Nigeria, Panama.	55			Calif., Calif.,* Md., N. Y., Pa., Tex.
<i>Cercospora nepetae</i> Tehon: <i>Nepeta</i> sp.....	Mexico.....	1			Tex.
<i>Cercospora neriella</i> Sacc.: <i>Nerium oleander</i> (oleander).....	Bermuda.....			1	N. Y.
<i>Cercospora purpurea</i> Cke.: <i>Laurus</i> sp.....	Mexico.....	1			Ariz.
<i>Cerebella andropogonis</i> Ces.: <i>Paspalum dilatatum</i> (dallas grass).....	Australia.....			1	D. C.
<i>Tricholaena repens</i> (Natal grass).....	Venezuela.....			1	D. C.
<i>Certhospora lunata</i> Shear: <i>Rhododendron</i> sp.....	Netherlands.....			1	N. J.
<i>Cheatomium contortum</i> Pk.: <i>Zantedeschia aethiopica</i> (callalily).....	do.....			1	N. J.
<i>Zantedeschia</i> sp.....	do.....			1	N. J.
<i>Chiodecton sanguineum</i> (Sw.) Wain.: <i>Cattleya</i> sp. (orchid).....	Brazil.....			1	Calif.*
<i>Chlamydomyces palmarum</i> (Cke.) Mason: <i>Begonia</i> sp.....	Belgium.....			1	Calif.*
<i>Chrysomyxa rhododendri</i> (DC.) D By.: <i>Rhododendron ferrugineum</i> .....	Austria, Switzerland, unknown.	7	1		Mass., N. Y.
<i>Rhododendron</i> sp.....	England.....			1	Wash.
<i>Cladosporium oryzae</i> Sacc. & Syd.: <i>Oryza sativa</i> (rice).....	India, Japan.....	1	1		Calif.*
<i>Cladosporium pisicola</i> Snyder: <i>Pisum sativum</i> (pea).....	Mexico, Portugal.....	3	1		Md., Tex.
<i>Clonostachys araucaria</i> Cda.: <i>Ceanothus</i> sp.....	Netherlands.....			1	Wash.
<i>Coleosporium domingense</i> (Berk.) Arth.: <i>Plumeria</i> sp.....	Canal Zone.....			1	Fla.
<i>Coleosporium ipomoeae</i> (Schw.) Burr.: <i>Ipomoea</i> sp. (morning-glory).....	Mexico.....	1			Tex.
<i>Colletotrichum cajani</i> Rangel: <i>Cajanus cajan</i> (pigeonpea).....	Puerto Rico.....	4			N. Y., P.*R.
<i>Colletotrichum coffeanum</i> Noack: <i>Coffea</i> sp. (coffee).....	Venezuela.....	1			Tex.
<i>Colletotrichum falcatum</i> Went: <i>Saccharum officinarum</i> (sugarcane).....	Bahamas, Cuba, Mexico	2	1		Fla.,* Tex.
<i>Colletotrichum graminicolum</i> (Ces.) G. W. Wils.: <i>Sorghum vulgare technicum</i> (broomcorn).....	Italy, Mexico.....	2			Md., Tex.
<i>Zea mays</i> (corn).....	Germany.....	1			Pa.
<i>Colletotrichum lilacearum</i> (Schw.) Ferr.: <i>Iris</i> sp.....	Australia.....			1	Calif.*
<i>Colletotrichum lilii</i> Plakidas: <i>Lilium auratum</i> (goldband lily).....	Japan.....			20	Calif.,* Oreg.
<i>Lilium formosanum</i> (Fumosa lily).....	do.....			1	Calif.*
<i>Lilium giganteum</i> (giant lily).....	do.....			1	Calif.*
<i>Lilium hansonii</i> (hanson lily).....	do.....			2	Calif.*
<i>Lilium henryi</i> (henry lily).....	do.....			2	Calif.*



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Disease and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Nonentry	Propagation	
<i>Colletotrichum lilii</i> Plakidas—Continued					
<i>Lilium japonicum</i> (Japanese lily).....	Japan.....	-----	-----	2	Calif.*
<i>Lilium longiflorum</i> (Easter lily).....	do.....	-----	-----	3	Calif.*
<i>Lilium neilgherrense</i> .....	India.....	-----	-----	1	Calif.*
<i>Lilium rubellum</i> (rubellum lily).....	Japan.....	-----	-----	2	Calif.*
<i>Lilium speciosum rubrum</i> (pink speciosum lily).....	do.....	-----	-----	25	Calif.* Wash.
<i>Lilium tigrinum</i> (tiger lily).....	do.....	-----	-----	1	Calif.*
<i>Lilium wallichianum</i> (wallich lily).....	India.....	-----	-----	1	Wash.
<i>Lilium</i> sp.....	Bermuda, China, India, Japan.....	18	-----	5	Calif.,* N. Y.
<i>Colletotrichum pisi</i> Pat.:					
<i>Pisum sativum</i> (pea).....	Mexico.....	1	-----	-----	Tex.
<i>Colletotrichum pisicola</i> Snyder:					
<i>Pisum sativum</i> (pea).....	Portugal.....	-----	1	-----	Md.
<i>Colletotrichum trichellum</i> (Fr.) Duke:					
<i>Hedera helix</i> (English ivy).....	Germany.....	-----	-----	1	N. J.
<i>Hedera</i> sp. (ivy).....	Ireland.....	-----	-----	1	N. Y.
<i>Coniosporium agaves</i> Pass.:					
<i>Agave</i> sp. (century plant).....	Mexico.....	1	-----	-----	Tex.
<i>Coniosporium chusqueae</i> Speg.:					
<i>Chusquea quila</i> (quilla).....	Chile.....	1	-----	-----	N. Y.
<i>Coniothecium quercina</i> Sacc.:					
<i>Quercus</i> sp. (oak).....	Mexico.....	1	-----	-----	Tex.
<i>Coniothyrium cytisallum</i> (Pass. & Thum.) Sacc.:					
<i>Laburnum watereri</i> .....	Netherlands.....	-----	-----	10	N. J.
<i>Coniothyrium hellebori</i> Cke. & Mass.:					
<i>Helleborus niger</i> (Christmas-rose).....	Netherlands, Switzerland.....	-----	-----	8	N. J.
<i>Coniothyrium olivaceum</i> Bon.:					
<i>Laburnum</i> sp.....	Netherlands.....	-----	-----	1	N. J.
<i>Wisteria</i> spp.....	Japan.....	-----	-----	2	Calif.*
<i>Coniothyrium pirinum</i> (Sacc.) Sheldon:					
<i>Malus sylvestris</i> (apple).....	Mexico.....	2	-----	-----	Tex.
<i>Coryneum carpophilum</i> (Lev.) Jauch:					
<i>Prunus persica</i> (peach).....	do.....	1	-----	-----	Tex.
<i>Cryptodiaporthe salicina</i> (Curr.) Wehm.:					
<i>Salix discolor</i> (pussy willow).....	Netherlands.....	1	-----	-----	N. Y.
<i>Curcularia lunata</i> (Wakk.) Boed.:					
<i>Gladiolus</i> sp.....	Mexico.....	1	-----	-----	Tex.
<i>Cymadothea trifolii</i> (Fr.) Wolf:					
<i>Trifolium</i> sp. (clover).....	France.....	1	-----	-----	N. Y.
<i>Cytospora ceratophora</i> Sacc.:					
<i>Castanea</i> sp. (chestnut).....	England.....	1	-----	-----	Pa.
<i>Cytospora chrysosperma</i> Fr.:					
<i>Salix discolor</i> (pussy willow).....	Netherlands.....	1	-----	-----	N. Y.
<i>Cytospora rhoisa</i> Fr.:					
<i>Cotinus coggygria</i> (smoketree).....	England.....	-----	-----	1	N. J.
<i>Cytospora salicis</i> (Cda.) Rab.:					
<i>Salix</i> sp.....	Argentina, France.....	1	1	-----	La., Mass.
<i>Dendryphium obstipum</i> Pollack:					
<i>Colocasia esculenta</i> (dasheen).....	China.....	2	-----	-----	Calif.*
<i>Dendryphium toruloides</i> (Fres.) Sacc.:					
<i>Marillaria</i> sp.....	Mexico.....	-----	-----	1	Tex.
<i>Diaporthe eres</i> Nits.:					
<i>Wisteria</i> spp.....	Japan.....	-----	-----	1	Calif.*
<i>Dibotryon morbosum</i> (Schw.) Theiss. & Syd.:					
Unknown shrub or tree.....	Mexico.....	1	-----	-----	Tex.
<i>Diplocarpon earliana</i> (Ell. & Ev.) Wolf:					
<i>Fragaria</i> sp. (strawberry).....	Czechoslovakia.....	-----	-----	1	Md.
<i>Diplocarpon rosae</i> Wolf:					
<i>Rosa</i> sp. (rose).....	Brazil.....	1	-----	-----	P. R.
<i>Diplodia coccarpa</i> Sacc.:					
<i>Cocos nucifera</i> (coconut).....	Guam, Hawaii, Marshall Islands, Nigeria, Philippines.....	26	-----	-----	Calif.*
<i>Diplodia epicocos</i> Cke.:					
<i>Cocos nucifera</i> (coconut).....	Kwajalein Island.....	1	-----	-----	Hawaii.

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<i>Diplodia gossypina</i> Cke.:					
<i>Ipomoea batatas</i> (sweetpotato).....	Mexico.....		1		Tex.
<i>Morus</i> sp. (mulberry).....	Bahamas.....			2	Tex.
<i>Nymphaea</i> sp. (waterlily).....	China.....	1			Wash.
<i>Diplodia henriquesiana</i> Trav. & Spessa:					
<i>Vanda gigantea</i> (orchid).....	Siam.....			1	N. J.
<i>Diplodia paraphysaria</i> Sacc.:					
<i>Trichopilia</i> sp. (orchid).....	Canal Zone.....			1	Calif.*
<i>Diplodia sedicola</i> Cke. & Harkn.:					
<i>Sedum</i> sp.....	Mexico.....			1	D. C.
<i>Diplodia theobromae</i> (Pat.) Nowell:					
<i>Bamboo</i> .....	India.....	1			N. Y.
<i>Cucurbita pepo</i> (pumpkin).....	Brazil.....		1		Pa.
<i>Garcinia mangostana</i> (mangosteen).....	India.....	1			N. Y.
<i>Kigelia pinnata</i> .....	Union of South Africa.....	1			Mass.
Palm.....	Mexico.....	1			Tex.
<i>Diplodina eurhododendri</i> Voss:					
<i>Rhododendron</i> sp.....	Netherlands.....			2	N. J.
<i>Diplodina grossulariae</i> Sacc. & Briard:					
<i>Ribes</i> sp.....	Germany.....			1	N. J.
<i>Diplodina rostrupii</i> Vest.:					
<i>Leucothoe catesbaei</i> .....	Netherlands.....			1	N. J.
<i>Pieris floribunda</i> .....	do.....			1	N. J.
<i>Discella carbonacea</i> (Fr.) Berk. & Br.:					
<i>Salix discolor</i> (pussy willow).....	do.....	1			N. Y.
<i>Discosia artocreas</i> Fr.:					
<i>Camellia japonica</i> (camellia).....	Japan.....			4	Calif.*
<i>Rhododendron</i> sp.....	Canada.....			1	Wash.
<i>Ditylenchus dipsaci</i> (Kuhn) Filip.:					
<i>Allium cepa</i> (onion).....	Mexico.....	1			Ariz.
<i>Tigridia</i> sp.....	Netherlands.....			1	Pa.
<i>Ditylenchus iridis</i> Steiner:					
<i>Iris zippium</i> (Spanish iris).....	do.....			1	Calif.*
<i>Elsinoe australis</i> Bitanc. & Jenkins:					
<i>Citrus aurantifolia</i> (sour lime).....	Brazil.....		4		La., Md., Tex.
<i>Citrus aurantifolia</i> .....	Paraguay.....	1			Fla.*
<i>Citrus limon</i> (lemon).....	Argentina, Brazil, Ecuador.....	1	32		Ala., Calif.,* La., Md., Mass., N. Y., Pa., Tex.
<i>Citrus sinensis</i> (orange).....	Argentina, Brazil, Unknown, Uruguay.....	2	61		Ala., Calif.,* Fla.,* La., Md., Mass., N. Y., Pa., Tex., Va.
<i>Citrus</i> sp. (orange).....	Argentina, Brazil, Uruguay.....		4		Fla.,* Md., N. Y.
<i>Elsinoe fawcettii</i> Bitanc. & Jenkins var. <i>scabiosa</i> Jenkins:					
<i>Citrus limon</i> (lemon).....	Australia.....		2		La., Mass.
<i>Elsinoe phaseoli</i> Jenkins:					
<i>Phaseolus lunatus macrocarpus</i> (lima bean).....	Cuba, Puerto Rico.....	6			N. Y., P. R.
<i>Entomosporium maculatum</i> Lev.:					
<i>Cydonia oblonga</i> (quince).....	Mexico.....	1			Tex.
<i>Entyloma dahliae</i> Syd.:					
<i>Dahlia</i> sp.....	Denmark.....	1			N. Y.
<i>Erwinia citrimaculans</i> (Doidge) Magrou:					
<i>Citrus sinensis</i> (orange).....	Union of South Africa.....		1		Tex.
<i>Exobasidium vaccinii</i> (Fckl.) Wor.:					
<i>Rhododendron carolinianum</i> .....	Netherlands.....			1	N. J.
<i>Rhododendron laetevirens</i> .....	do.....			1	N. J.
<i>Fabraea maculata</i> Atk.:					
<i>Cydonia oblonga</i> (quince).....	Mexico.....	2			Tex.

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Disease and host	Country of origin	Number of intercep- tions in—			Collected in—
		Consump- tion	Nonentry	Propaga- tion	
<i>Fusarium oxysporum</i> Schlecht f. <i>gladioli</i> (Massey) Snyd. & Hansen: <i>Gladiolus</i> sp.-----	Netherlands, Virgin Islands.	-----	-----	9	D. C., La., N. Y., Tex., Va.
<i>Fusarium oxysporum</i> Schlecht. f. <i>medicaginis</i> (Weimer) Snyd. & Hansen: <i>Medicago sativa</i> (alfalfa)-----	Mexico.	-----	-----	1	Calif.*
<i>Fusarium oxysporum</i> Schlecht. f. <i>narcissi</i> (Cke. & Mass.) Snyd. & Hansen: <i>Narcissus</i> sp.-----	Netherlands	-----	-----	9	Calif.,* N. Y., S. C., Tex.
<i>Fusarium oxysporum</i> Schlecht. f. <i>tuberosi</i> (Wr.) Snyd. & Hansen: <i>Solanum tuberosum</i> (potato)-----	Mexico.	1	-----	-----	Tex.
<i>Gliomastix convoluta</i> (Harz.) Mason: <i>Lilium regale</i> (royal lily)-----	Netherlands	-----	-----	1	Calif.*
<i>Lilium tenuifolium</i> (coral lily)-----	do.	-----	-----	1	Calif.*
<i>Orania macrocladus</i> (palm)-----	Straits Settlements	-----	-----	1	Calif.*
<i>Solanum tuberosum</i> (potato)-----	Australia, China, Japan, Netherlands, Sweden. China, Japan	53	5	-----	Calif.,* Calif.*
<i>Zingiber officinale</i> (ginger)-----	France	-----	1	-----	N. Y.
<i>Gloeosporium aquifolii</i> Penz. & Sacc.: <i>Ilex aquifolium</i> (English holly)-----	Philippines	1	-----	-----	Calif.*
<i>Gloeosporium catechu</i> Syd.: <i>Areca cathecu</i> (betel palm)-----	Mexico	1	-----	-----	Tex.
<i>Gloeosporium leguminum</i> (Cke.) Sacc.: <i>Prosopis</i> sp. (mesquite)-----	Cyprus, Italy	3	1	-----	N. Y., Tex.
<i>Gloeosporium olivarium</i> Alm.: <i>Olea europaea</i> (olive)-----	Sweden	-----	1	-----	N. Y.
<i>Gloeosporium perennans</i> Zeller & Childs: <i>Malus sylvestris</i> (apple)-----	Mexico	1	-----	-----	Tex.
<i>Gloeosporium piperatum</i> Ell. & Ev.: <i>Capsicum frutescens</i> (pepper)-----	Japan	-----	-----	4	Calif.*
<i>Gymnosporangium haraeum</i> Syd.: <i>Juniperus chinensis</i> (Chinese juniper)-----	do.	-----	-----	1	Calif.*
<i>Gymnosporangium japonicum</i> Syd.: <i>Juniperus chinensis</i> -----	Sweden	-----	-----	1	N. Y.
<i>Gymnosporangium juniperi</i> Lk.: <i>Sorbus aucuparia</i> (European mountain-ash)-----	Norway, Sweden	-----	-----	2	N. Y.
<i>Gymnosporangium juniperinum</i> (Pers.) Mart.: <i>Sorbus aucuparia</i> -----	China	1	-----	-----	Calif.*
<i>Helminthosporium oryzae</i> Breda de Haan: <i>Oryza sativa</i> (rice)-----	Union of South Africa	-----	1	-----	Mass.
<i>Hendersonia sabaleos</i> Ces.: Palm-----	England	1	-----	-----	N. Y.
<i>Heterodera avenae</i> Eidam: Soil with bagging-----	Isle of Man	-----	-----	1	N. Y.
Soil with pine-----	Netherlands	-----	1	-----	Pa.
Soil with potatoes-----	England	-----	1	-----	Pa.
Soil with rutabagas-----	France, Israel	-----	3	-----	N. J., N. Y.
<i>Heterodera cacti</i> Filip. & Schuurmans Stekhoven: Soil with cactus-----	France	-----	1	-----	N. J.
Soil with cactus and succulents-----	Mexico	-----	1	-----	Calif.*
Soil with <i>Epiphyllum</i> sp-----	do.	-----	3	-----	Calif.,* Tex.
Soil with <i>Mammillaria</i> sp-----	Italy	-----	1	-----	N. Y.
Soil with unknown plants-----	Germany	1	-----	-----	N. Y.
<i>Heterodera punctata</i> Thorne: Soil on an old army truck-----	England, Netherlands, Scotland	4	-----	-----	N. Y., Pa.
Soil with bagging-----	Denmark, England	-----	-----	2	Ill., N. Y.
Soil with bulbs-----	England, Israel	-----	-----	2	N. J., N. Y.
Soil with cactus-----	England	-----	1	-----	N. Y.
Soil with cactus and sedum-----	Sweden	-----	1	-----	Pa.
Soil with carrots-----	England	-----	-----	1	N. Y.
Soil with cockscomb-----	Iceland	-----	-----	1	N. Y.
Soil with coleus-----	England	-----	-----	1	N. Y.
Soil with currant plants-----	-----	-----	-----	-----	-----



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<i>Heterodera punctata</i> —Continued					
Soil with cyclamen	England			1	N. Y.
Soil with <i>Cymbidium</i> sp.	do.			1	N. J.
Soil with forget-me-not	Germany			1	N. Y.
Soil with heather	England, Scotland	1		2	N. Y.
Soil with <i>Laurus</i> sp.	Spain			1	N. Y.
Soil with narcissus bulbs	Ireland			1	N. Y.
Soil with onion sets	Netherlands			1	N. Y.
Soil with packing around dishes	Germany	1			N. Y.
Soil with phlox plants	do.			1	N. Y.
Soil with pine	Isle of Man			1	N. Y.
Soil with various plants	Germany, Spain, Sweden, Switzerland	1		3	N. J., N. Y.
Soil with potatoes	England, Norway, Sweden	1	3		N. Y., Pa.
Soil with primrose plants	England			1	N. Y.
Soil with rose bush	do.			1	N. Y.
Soil with <i>Sedum</i> sp. and cacti	do.			1	N. Y.
Soil with <i>Sedum</i> sp.	Austria			1	N. Y.
Soil with shamrock	Ireland			1	N. Y.
Soil with spruce and oak trees	Germany			1	N. Y.
Soil with succulents and rhododendrons	Scotland			1	N. J.
Soil with miscellaneous trees	Spain			1	N. Y.
Soil from used urns	England	1			N. Y.
<i>Heterodera rostochiensis</i> Wr.:					
Soil on an old army truck	Germany	1			N. Y.
Soil with asparagus fern	England			1	N. Y.
Soil with bagging	Belgium, England, Netherlands, Scotland	57			Mass., N. Y. Pa., Va.
Soil with beets	England		1		N. Y.
Soil with begonia plants	Denmark			1	N. Y.
Soil with begonia tubers	Germany			1	N. Y.
Soil with bulbs	Denmark			1	Ill.
Soil with cactus and sedum plants	England			1	N. Y.
Soil with carrots	do.		1		Wash.
Soil with chrysanthemum cuttings	do.			1	N. J.
Soil with clematis plants	England, Switzerland			2	N. Y.
Soil with <i>Convallaria</i> sp.	England, Finland			2	Md., N. J.
Soil with old cordage	England	1			N. Y.
Soil with current plants	England, Sewden			3	N. Y.
Soil with cyclamen plants	Netherlands			1	N. Y.
Soil with dahlia tubers	England, Ireland, Scotland			4	N. J., N. Y.
Soil with fern	England, Netherlands			2	N. Y.
Soil with <i>Fragaria</i> sp.	England			1	N. J.
Soil with geranium plant	England, Germany, Ireland			3	N. J., N. Y.
Soil with <i>Glecoma hederacea</i> plant	Ireland			1	N. Y.
Soil with gloxinia plant	Luxembourg, Norway			2	N. Y.
Soil with gooseberry, currant, and plum plants	Sweden			1	N. Y.
Soil with heath	Scotland			1	Calif.*
Soil with heather	England, Scotland	1		6	N. J., N. Y.
Soil with heather and potatoes	Scotland	8			N. J., N. Y.
Soil with iris and gladiolus bulbs	England			1	N. Y.
Soil with jute bagging	do.	1			N. Y.
Soil with kale and shamrock plants	Ireland			1	N. Y.
Soil with lavender plants	England, Ireland			3	N. Y.
Soil with leeks	Ireland		1		N. Y.
Soil with lily bulbs	England, Scotland			2	N. J., N. Y.
Soil with lily-of-the-valley pips	Netherlands			1	N. Y.
Soil with myrtle plant	Germany			1	N. Y.
Soil with narcissus bulbs and dahlia roots	Ireland			1	N. Y.
Soil with oat straw packing	England	1			N. Y.
Soil with onion sets	Netherlands			1	N. Y.
Soil with hay packing around dishes	Germany	1			N. Y.
Soil with packing for old toys	England	1			N. J.
Soil with perennials	Ireland			1	N. Y.

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<i>Heterodera rostochiensis</i> —Continued					
Soil with various plants	England, Germany, Scotland.	---	---	6	N. Y.
Soil with potatoes	Denmark, England, Germany, Ireland, Norway, Scotland, Spain.	4	14	3	Calif.,* N. Y., Pa., Tex., Va., Wash.
Soil with raspberry plants	Sweden	---	---	1	N. Y.
Soil with rhododendron plant	Scotland	---	---	1	Mass.
Soil with <i>Sedum</i> sp. plants	Poland	---	---	1	N. Y.
Soil with shallot	Wales	---	---	1	N. Y.
Soil with shamrocks	Ireland, Scotland	3	---	3	Calif.,* Mass., N. Y., Pa.
Soil with strawberry plants	Denmark	---	---	1	N. Y.
Soil with strawberry, gooseberry, and carnation plants	England	---	---	1	N. Y.
Soil with thyme plants	England	---	---	1	N. Y.
Soil with tulip bulbs	do	---	---	1	N. Y.
Soil with violet roots	do	---	---	1	Calif.*
Soil with woody cuttings	Scotland	---	---	1	N. Y.
Soil	Ireland	1	---	---	N. Y.
Sweepings from floor of lighter	Scotland	1	---	---	N. Y.
<i>Heterodera schachtii</i> Schmidt:					
Soil with beets	Italy	---	1	---	Wash.
Soil with grape and fig plants	do	---	---	1	N. Y.
<i>Heterosporium iridis</i> (Faur. & Roum.) Jacques:					
<i>Gladiolus</i> sp.	Mexico	1	---	---	Tex.
<i>Iris germanica</i> (German iris)	New Zealand	---	---	1	Calif.*
<i>Heterosporium ornithogali</i> (Klotzsch) Cke.:					
<i>Ornithogalum thyrsoides</i> (chinkerichee)	Union of South Africa	4	---	---	Mass., Mich., N. Y., Pa.
<i>Hormiscium pinophilum</i> (Nees) Lind.:					
<i>Abies balsamea</i> (balsam fir)	Norway	1	---	---	Minn.
<i>Abies</i> sp. (fir)	Germany	1	---	---	N. Y.
<i>Hormodendron cladosporioides</i> (Fres.) Sacc.:					
<i>Musa paradisiaca sapientum</i> (banana)	Honduras	1	---	---	S. C.
<i>Hypocrella caulium</i> (Berk. & Curt.) Pat.:					
<i>Citrus reticulata</i> (Mandarin orange)	Trinidad	1	---	---	N. Y.
<i>Iscaria clarata</i> Ditm. (?):					
<i>Cocos nucifera</i> (coconut)	Mexico	1	---	---	Calif.*
<i>Isariopsis griseola</i> Sacc.:					
<i>Phaseolus vulgaris</i> var. (string bean)	Puerto Rico	2	---	---	N. Y.
<i>Lembosia agave</i> Earle:					
<i>Agave</i> sp.	do	1	---	---	P. R.
Leprosis:					
<i>Citrus sinensis</i> (orange)	Bolivia, Brazil	1	1	---	Mass., Tex.
<i>Leptosphaeria eustomoides</i> Sacc.:					
<i>Triticum aestivum</i> (wheat)	Germany	1	---	---	Calif.*
<i>Leptosphaeria rusci</i> (Wallr.) Sacc.:					
<i>Ruscus cladodes</i>	Italy	1	---	---	Pa.
<i>Leptosphaeria vagabunda</i> Sacc.:					
<i>Chrysanthemum zawadskii</i>	Canada	---	---	1	N. J.
<i>Leptostromella hysterioides</i> (Fr.) Sacc. (?):					
<i>Paeonia suffruticosa</i> (tree peony)	Japan	---	---	1	Calif.*
<i>Leptothyrium pomi</i> (Mont. & Fr.) Sacc.:					
<i>Malus sylvestris</i> (apple)	Mexico	1	---	---	Tex.
<i>Lophodermium arundinaceum</i> (Fr.) Chev.:					
<i>Phragmites communis</i> (reed)	Netherlands	1	---	---	Md.
<i>Lophodermium pinastri</i> (Fr.) Chev.:					
<i>Pinus</i> sp. (pine)	Japan	---	---	1	Calif.*
<i>Macrophoma epidendri</i> Keissl.:					
<i>Schomburgkia</i> sp. (orchid)	Mexico	---	---	1	Tex.
<i>Macrophoma musae</i> (Cke.) Berl. & Vogl.:					
<i>Musa paradisiaca sapientum</i> (banana)	Costa Rica, Hawaii, India, Mexico, Panama.	5	1	---	Calif.,* Hawaii.

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Disease and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Nonentry	Propagation	
<i>Macrophomina phaseolina</i> (Tassi) Goid.:					
<i>Ipomoea batatas</i> (sweetpotato).....	Japan, Mexico.....		2		Calif.*
<i>Solanum tuberosum</i> (potato).....	Japan.....		1		Calif.*
<i>Marssonina fraxini</i> Ell. & Davis:					
<i>Fraxinus</i> sp. (ash).....	Mexico.....	1			Tex.
<i>Marssonina juglandis</i> (Lib.) Magn.:					
<i>Juglans</i> sp. (walnut).....	Italy.....	1			Mass.
<i>Melanospora zamiae</i> Cda.:					
<i>Zingiber officinale</i> (ginger).....	China.....	41			Calif.*
<i>Meliola citricola</i> Syd.:					
<i>Citrus grandis</i> (pummelo).....	do.....	1			Calif.*
<i>Meloidogyne arenaria</i> (Neal) Chitwood:					
<i>Begonia</i> sp.....	Belgium.....		1		N. J.
<i>Clematis</i> sp.....	Netherlands.....		1		N. J.
<i>Memmoniella echinata</i> (Rivolta) L. O. Gall.:					
<i>Lilium longiflorum</i> (Easter lily).....	Japan.....		1		Calif.*
<i>Zingiber officinale</i> (ginger).....	China, Japan, Tahiti.....	75			Calif.*
<i>Metasphaeria hibiscincola</i> Rehm:					
<i>Hibiscus</i> sp.....	Trinidad.....		1		N. Y.
<i>Microperella quercus</i> Hoehn:					
<i>Quercus</i> sp. (oak).....	Japan.....	1			Wash.
<i>Microthyrium microscopicum</i> Desm.:					
<i>Burus</i> sp.....	Netherlands.....		1		N. J.
<i>Monilinia fruticicola</i> (Wint.) Honey:					
<i>Malus sylvestris</i> (apple).....	New Zealand.....	1			N. Y.
<i>Monilinia fructigena</i> (Aderh. & Ruhl.) Honey:					
<i>Cydonia oblonga</i> (quince).....	Italy.....	1			N. Y.
<i>Malus sylvestris</i> (apple).....	England.....		1		Pa.
<i>Pyrus communis</i> (pear).....	Italy, Sweden.....		2		Calif.* N. Y.
<i>Mycena citricolor</i> (Berk. & Curt.) Sacc.:					
<i>Omphalia flavidia</i> Maubl. & Rangel					
<i>Gardenia augusta</i> (gardenia).....	Guatemala, Mexico.....	3			Calif., La., Tex.
<i>Mycosphaerella advena</i> Syd.:					
<i>Chamaedorea</i> sp. (palm).....	Mexico.....	1			Tex.
<i>Mycosphaerella clintoniana</i> House:					
<i>Rhododendron</i> sp.....	Netherlands.....		1		Wash.
<i>Mycosphaerella opuntiae</i> (Ell. & Ev.) Dearn.:					
<i>Echinocactus</i> sp. (cactus).....	Mexico.....		1		Tex.
<i>Mycosphaerella palmarum</i> Miles:					
Palm.....	do.....	1			Tex.
<i>Mycosphaerella pomi</i> (Pass.) Lindau:					
<i>Malus sylvestris</i> (apple).....	New Zealand.....		1		Pa.
<i>Mycosphaerella punctiformis</i> (Pers.) Schroet.:					
<i>Andromeda</i> sp.....	Netherlands.....		1		N. J.
<i>Mycosphaerella rhododendri</i> (Cke.) G. H. Martin:					
<i>Rhododendron</i> sp.....	do.....		1		N. J.
<i>Mycosphaerella stemmatelya</i> (Fr.) Rom.:					
<i>Vaccinium vitis-idaea</i> (cowberry).....	Sweden.....		1		Wash.
<i>Myriangium duriae</i> Mont.:					
<i>Citrus sinensis</i> (orange).....	Siam.....		1		Va.
<i>Mytilidion decipiens</i> (Karst.) Sacc.:					
<i>Juniperus</i> sp. (juniper).....	Japan.....		1		Wash.
<i>Nigrospora sphaerica</i> (Sacc.) Mason:					
<i>Cymbopogon citratus</i> (lemon grass).....	Iraq.....		1		Calif.*
<i>Oryza sativa</i> (rice).....	Japan.....	2			Calif.*
<i>Ophiostoma narcissi</i> Limber:					
<i>Narcissus</i> sp.....	England, Germany, Netherlands.....		13		N. J., N. Y.
<i>Papularia arundinis</i> (Cda.) Fr.:					
<i>Phragmites communis</i> (reed).....	Netherlands.....	1			Tex.
<i>Papularia sphaerosperma</i> (Fr.) Hoehn.:					
Bamboo.....	Japan.....	1			Wash.
<i>Papularia vinosa</i> (Berk. & Curt.) Mason:					
Bamboo.....	Mexico.....	1			Ariz.
<i>Papulaspora coprophila</i> (Zukal) Hotson:					
<i>Tulipa</i> sp. (tulip).....	Netherlands.....		1		N. J.



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		Consump- tion	Nonentry	Propaga- tion	
<i>Papulaspora parasitica</i> (Eidam) Harz:					
<i>Gladiolus</i> sp.	Japan			1	Calif.*
<i>Ricinis communis</i> (castor-bean)	Philippines	1			Calif.*
<i>Paraphelenchus amblyurus</i> Steiner:					
<i>Iris kaempferi</i> (Japanese iris)	Japan			1	Calif.*
<i>Peronospora effusa</i> (Grev.) Rab.:					
<i>Spinacia oleracea</i> (spinach)	Mexico	8			Ariz.
<i>Pestalotia conspicua</i> Serrazzi:					
<i>Cattleya</i> sp. (orchid)	Brazil			1	Calif.*
<i>Cymbidium</i> sp. (orchid)	Fiji Islands			1	Hawaii.
<i>Dendrobium johannis</i> (orchid)	Australia			1	Hawaii.
<i>Epidendrum prismatocarpum</i> (orchid)	Costa Rica			1	Fla.
Orchid	Honduras			1	Tex.
<i>Stanhopea</i> sp. (orchid)	Mexico			1	Tex.
<i>Pestalotia diospyri</i> Syd.:					
<i>Diospyros kaki</i> (kaki persimmon)	Japan	1			Calif.*
<i>Pestalotia disseminata</i> Thuem.:					
<i>Eucalyptus</i> sp.	Mexico	1			Tex.
<i>Pestalotia funerea</i> Desm.:					
<i>Araucaria araucana</i> (monkeypuzzle)	Scotland			1	N. Y.
<i>Pestalotia guepini</i> Desm.:					
<i>Camellia</i> sp.	Azores, France, Japan	1		3	Calif.,* Mass.
<i>Rhododendron obtusum</i>	Japan			1	Wash.
<i>Pestalotia japonica</i> Syd.:					
<i>Acer palmatum</i> (Japanese maple)	do			1	Calif.*
<i>Pestalotia macrotricha</i> Kleb.:					
<i>Pteris japonica</i> (Japanese andromeda)	Netherlands			1	N. J.
<i>Rhododendron</i> sp.	do			1	Wash.
<i>Pestalotia paeoniae</i> Maubl.:					
<i>Paeonia suffruticosa</i> (tree peony)	Japan			2	Calif.*
<i>Pestalotia palmarum</i> Cke.:					
<i>Cocos nucifera</i> (coconut)	Cuba, Hawaii, Marshall Islands, Philippines.	7	1	1	Calif.,* Pa.
Palm	Mexico	1			Tex.
<i>Pestalotia psidii</i> Pat.:					
<i>Psidium guajava</i> (guava)	do	1			Tex.
<i>Pestalotia rhododendri</i> (D. Sacc.) Guba:					
<i>Rhododendron</i> sp.	Netherlands			2	N. J., Wash.
<i>Pezizella oenotherae</i> (Cke. & Ell.) Sacc.:					
<i>Rosa</i> sp.	do			1	N. J.
<i>Phaeosphaeria oryzae</i> Miyake:					
<i>Oryza sativa</i> (rice)	Japan	1			Calif.*
<i>Phakospora desmum</i> (Berk. & Br.) Cumm.:					
<i>Gossypium</i> sp. (cotton)	Puerto Rico	1			P. R.
<i>Phlyctaea ranunculacearum</i> Hoehn.:					
<i>Paeonia suffruticosa</i> (tree peony)	Japan			1	Calif.*
<i>Paeonia</i> sp.	do			1	Calif.*
<i>Phoma citricarpa</i> McAlp.:					
<i>Citrus grandis</i> (pummelo)	China	2	1		Calif.*
<i>Citrus limon</i> (lemon)	China, New Zealand, Union of South Africa.		4		Calif.,* La., Mass.
<i>Citrus paradisi</i> (grapefruit)	Union of South Africa		1		Md.
<i>Citrus reticulata</i> (Mandarin orange)	China, Japan	55	3		Calif.,* Mass., Minn., N. Y.
<i>Citrus sinensis</i> (orange)	Australia, China, Fiji Islands, Japan, Union of South Africa.	39	9		Calif.,* Hawaii, Mass., Md., Pa. Hawaii.
<i>Citrus</i> sp.	China	1			
<i>Phoma hortensiae</i> Brun.:					
<i>Hydrangea</i> sp.	Azores			1	Mass.
<i>Phoma limonii</i> Theum.:					
<i>Citrus sinensis</i> (orange)	Mexico	1			Tex.
<i>Phoma pomi</i> Pass.:					
<i>Malus sylvestris</i> (apple)	Norway		1		Pa.

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<i>Phoma rusci</i> West.:					
<i>Ruscus aculeatus</i> (?)	Italy	1			Pa.
<i>Phomopsis cinerescens</i> (Sacc.) Trav.:					
<i>Ficus carica</i> (fig)	Mexico			1	Tex.
<i>Phomopsis cocoes</i> Petch:					
<i>Cocos nucifera</i> (coconut)	Guam, Philippines	4			Calif.*
<i>Phomopsis ophites</i> (Sacc.) Trav.:					
<i>Hibiscus hamabo</i> (hamabo hibiscus)	Netherlands			1	N. J.
<i>Phomopsis palmicola</i> (Wint.) Sacc.:					
<i>Arecaoa athecua</i> (betel palm)	Yap Island			1	Calif.*
<i>Phragmidium disciflorum</i> [Tode] James:					
<i>Rosa</i> sp.	Germany, Italy	1		1	Mass., N. Y.
<i>Phragmidium montivagum</i> Arth. (?):					
<i>Rosa</i> sp.	Canada			1	N. J.
<i>Phyllosticta caryae</i> Pk.:					
<i>Carya illinoensis</i> (pecan)	Mexico	1			Tex.
<i>Phyllosticta gaultheriae</i> Ell. & Ev.:					
<i>Gaultheria shallon</i> (salal)	do	3			Tex.
<i>Phyllosticta glutumarum</i> (Ell. & Tracy) Miyake:					
<i>Oryza sativa</i> (rice)	Dominican Republic	1			P. R.
<i>Phyllosticta laeliae</i> Keissl.:					
<i>Dendrobium</i> sp. (orchid)	Australia			1	Calif.*
<i>Phyllosticta mortoni</i> Fairm.:					
<i>Mangifera indica</i> (mango)	Mexico	1			Tex.
<i>Phyllosticta passiflorae</i> McAlp.:					
<i>Passiflora edulis</i> (purple granadilla)	Australia	1			Hawaii.
<i>Phyllosticta ruscicola</i> (Desm.) Dur. & Mont.:					
<i>Ruscus</i> sp.	Italy	3			N. Y., Pa.
<i>Physalospora obtusa</i> (Schw.) Cke.:					
<i>Malus sylvestris</i> (apple)	France, Germany	1	2		Ga., Mich., Pa.
<i>Phytophthora parasitica</i> Dast.:					
<i>Lycopersicon esculentum</i> (tomato)	Mexico	2			Ariz.
<i>Phytophthora phaseoli</i> Thaxt.:					
<i>Phaseolus vulgaris</i> var. (string bean)	do	1			Tex.
<i>Pleospora herbarum</i> (Pers.) Rab.:					
<i>Linum</i> sp. (flax)	Belgium	1			Pa.
<i>Vitis</i> sp. (grape)	Italy			1	N. Y.
<i>Pseudomonas marginata</i> (McCull.) Stapp:					
<i>Gladiolus</i> sp.	Netherlands			1	Calif.*
<i>Pseudomonas savastanoi</i> (E.F. Sm.) F. L. Stevens:					
<i>Olea europaea</i> (olive)	Italy	2			N. Y.
<i>Pseudomonas seminum</i> Cayley:					
<i>Pisum sativum</i> (pea)	Portugal			1	Tex.
<i>Pseudomonas solanacearum</i> E. F. Sm.:					
<i>Solanum tuberosum</i> (potato)	Mexico	1			Tex.
<i>Pseudopeziza medicaginis</i> (Lib.) Sacc.:					
<i>Medicago sativa</i> (alfalfa)	Argentina			1	Tex.
<i>Puccinia antirrhini</i> Diet. & Holw.:					
<i>Antirrhinum majus</i> (snapdragon)	Germany	1			Mass.
<i>Puccinia arenariae</i> (Schum.) Wint.:					
<i>Dianthus barbatus</i> (sweet-william)	England, Switzerland	2			Mass., N. Y.
<i>Puccinia buri</i> DC.:					
<i>Burus sempervirens</i> (box)	England, Yugoslavia			2	N. Y.
<i>Puccinia chrysanthemi</i> Roze:					
<i>Chrysanthemum</i> sp.	England			1	N. J.
<i>Puccinia glutumarum</i> (Schmidt) Eriks. & E. Henn.:					
<i>Triticum aestivum</i> (wheat)	Italy	1			Pa.
<i>Puccinia graminis</i> Pers. var. <i>tritici</i> Eriks. & E. Henn.:					
<i>Triticum aestivum</i> (wheat)	Guatemala	1			Tex.
<i>Puccinia heliconiae</i> (Diet.) Arth.:					
<i>Strelitzia</i> sp. (bird-of-paradise-flower)	Trinidad			1	Fla.
<i>Puccinia hordei</i> Otth:					
<i>Hordeum</i> sp.	Mexico	2			Calif.*
<i>Puccinia oblecta</i> Pk.:					
<i>Scirpus</i> sp.	do	2			Tex.
<i>Puccinia ornithogali-thyrsoides</i> Diet.:					
<i>Ornithogalum thyrsoides</i> (chinkerichee)	Union of South Africa	3			N. Y.

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<i>Puccinia porri</i> (Sow.) Wint.: <i>Allium porrum</i> (leek) .....	Sweden .....	---	1	---	Pa.
<i>Puccinia scirpi</i> DC.: <i>Typha</i> sp. (cattail) .....	Mexico .....	1	---	---	Calif.
<i>Puccinia stakmanii</i> Presley: <i>Gossypium</i> sp. (cotton) .....	do .....	1	---	---	Tex.
<i>Puccinia urbaniana</i> P. Henn.: <i>Stachytarpheta jamaicensis</i> .....	Puerto Rico .....	1	---	---	P. R.
<i>Stachytarpheta</i> spp. ....	do .....	1	---	---	P. R.
<i>Puccinia violae</i> (Schum.) DC.: <i>Viola tricolor</i> (wild pansy) .....	Norway .....	1	---	---	N. Y.
<i>Pyrenochaeta acicola</i> (Lev.) Sacc.: <i>Pinus</i> sp. (5-leaved pine) .....	Japan .....	---	---	1	Hawaii.
<i>Pythium ultimum</i> Trow: <i>Cattleya</i> sp. (orchid) .....	Belgium .....	---	---	1	N. J.
<i>Pythium ultimum</i> Trow (?): <i>Sinningia speciosa</i> (gloxinia) .....	do .....	---	---	3	N. J.
<i>Ramularia tulasnei</i> Sacc.: <i>Fragaria</i> sp. ....	France .....	---	---	1	D. C.
<i>otylenchus robustus</i> (de Man) Filip. (?): Soil with primrose plant .....	England .....	---	---	1	N. Y.
<i>Schizophyllum commune</i> Fr.: <i>Agave</i> sp. ....	Hawaii .....	1	---	---	Wash.
Orchid .....	Mexico .....	---	---	1	Tex.
<i>Sclerotinia kernerii</i> Wettst.: <i>Abies</i> sp. ....	Switzerland .....	1	---	---	Mass.
<i>Sclerotinia minor</i> Jagger: <i>Cichorium endivia</i> (endive) .....	Belgium .....	3	---	---	N. Y.
<i>Sclerotium cepivorum</i> Berk.: <i>Allium sativum</i> (garlic) .....	Italy .....	33	2	---	N. Y., Pa.
<i>Sclerotium irregulare</i> Miy.: <i>Oryza sativa</i> (rice) .....	China .....	1	---	---	Wash.
<i>Septoria azaleae</i> Vogl.: <i>Rhododendron indicum</i> (indica azalea) .....	Belgium .....	---	---	1	N. J.
<i>Rhododendron</i> sp. ....	Netherlands .....	---	---	4	N. J.
<i>Septoria chrysanthemi</i> Allesch.: <i>Chrysanthemum</i> sp. ....	Japan, Mexico .....	4	---	1	Calif.,* Tex.
<i>Septoria citri</i> Pass.: <i>Citrus limon</i> (lemon) .....	Italy, Spain .....	1	3	---	Calif.,* Mich., Pa.
<i>Citrus paradisi</i> (grapefruit) .....	Japan .....	---	---	1	Calif.*
<i>Citrus sinensis</i> (orange) .....	Straits Settlements .....	---	---	1	N. Y.
<i>Septoria leucanthemi</i> Sacc. & Speg.: <i>Chrysanthemum maximum</i> (shasta daisy) .....	Mexico, Scotland .....	2	---	1	N. J., Tex.
<i>Chrysanthemum</i> sp. ....	Japan, unknown .....	---	---	1	Hawaii, N. Y.
<i>Septoria macrosporia</i> Dearn.: Daisy .....	Mexico .....	1	---	---	Tex.
<i>Septoria posekensis</i> Sacc.: <i>Cymbidium deonianum</i> (orchid) .....	India .....	---	---	4	Calif.*
<i>Cymbidium elegans</i> .....	do .....	---	---	3	Calif.*
<i>Cypripedium callosum</i> (orchid) .....	Siam .....	---	---	1	Calif.*
<i>Cypripedium fairieanum</i> .....	India .....	---	---	6	Calif.,* N. J.
<i>Odontoglossum citrosimum</i> (orchid) .....	Mexico .....	---	---	2	Calif.,* Tex.
<i>Septosporium scyphophorum</i> Cke. & Harkn.: <i>Eucalyptus</i> sp. ....	do .....	1	---	---	Tex.
Medicinal herb .....	do .....	1	---	---	Tex.
<i>Sorosporium syntherismae</i> (Pk.) Farl.: <i>Panicum</i> sp. ....	Argentina .....	1	---	---	Tex.
<i>Sphaceloma perseae</i> Jenkins: <i>Persea americana</i> (avocado) .....	Mexico .....	1	---	---	Tex.
<i>Sphaeropsis orchidearum</i> Cif. & Frag.: Orchid .....	Costa Rica .....	---	---	1	Fla.
<i>Stachybotrys subsimplex</i> Cke.: <i>Musa paradisiaca sapientum</i> (banana) .....	Panama .....	2	---	---	Calif.*
<i>Stachytidium theobromae</i> Turc.: <i>Musa paradisiaca</i> (plantain) .....	Honduras .....	1	---	---	N. Y.
<i>Musa paradisiaca sapientum</i> (banana) .....	Mexico, Panama, Philippines, Portugal .....	4	1	---	Calif.,* Mass.



List of pests (diseases) collected and reported from July 1, 1950, to June 30, 1951,  
inclusive—Continued

[An asterisk indicates State inspection]

Disease and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Nonentry	Propagation	
<i>Stagnospora macrospora</i> (Dur. & Mont.) Sacc.:					
<i>Agave</i> sp.-----	Mexico-----	---	---	1	Tex.
<i>Stemphylium botryosum</i> Wallr.:					
<i>Allium porrum</i> (leek)-----	do-----	---	1	---	Tex.
<i>Hyacinthus</i> sp.-----	Netherlands-----	---	---	1	Minn.
<i>Musa paradisica sapientum</i> (banana)-----	Mexico-----	---	1	---	Calif.*
<i>Stemphylium ilicis</i> Tengwall:					
<i>Muscari botryoides</i> (grapehyacinth)-----	Netherlands-----	---	---	2	N. Y., Tex.
<i>Stemphylium radicinum</i> (Meier, Drechs. & Eddy) Neerg.:					
<i>Daucus carota</i> (carrot)-----	England-----	---	1	---	Tex.
<i>Stereum rufum</i> Fr.:					
<i>Populus</i> sp.-----	Mexico-----	1	---	---	Tex.
<i>Stigmella sacchari</i> Speg.:					
<i>Saccharum officinarum</i> (sugarcane)-----	Hawaii-----	1	---	---	Calif.*
<i>Stilbum incarnatum</i> Wakk.:					
<i>Castanea</i> sp. (chestnut)-----	Japan-----	1	---	---	Calif.*
<i>Dahlia</i> sp.-----	Australia-----	---	1	---	Calif.*
<i>Eleocharis dulcis</i> (waternut)-----	China-----	3	---	---	Calif.*
<i>Pachyrhizus tuberosus</i> (West Indies yam)-----	do-----	3	---	---	Calif.*
<i>Trapa natans</i> (waterchestnut)-----	do-----	1	---	---	Calif.*
<i>Stomatogone agaves</i> (Ell. & Ev.) Th. & Syd.:					
<i>Yucca aloifolia</i> (Spanish dagger)-----	Mexico-----	1	---	---	Tex.
<i>Yucca</i> sp.-----	do-----	1	---	---	Tex.
Streak (winter blight):					
<i>Lycopersicon esculentum</i> (tomato)-----	do-----	2	---	---	Ariz.
<i>Thecopsora areolata</i> (Fr.) Magn.:					
<i>Picea abies</i> (Norway spruce)-----	Austria-----	1	---	---	Calif.*
<i>Thielaviopsis basicola</i> (Berk. & Br.) Ferr.:					
<i>Begonia</i> sp.-----	Netherlands-----	---	---	1	Calif.*
<i>Sinningia speciosa</i> (gloxinia)-----	Belgium-----	---	---	9	Calif.* N. J., Pa.
<i>Torula oleae</i> Cast.:					
<i>Olea europaea</i> (olive)-----	Azores-----	---	---	1	Mass.
<i>Trichoderma viride</i> Fr.:					
<i>Pandanus</i> sp. (screwpine)-----	Kwajalein-----	1	---	---	Hawaii.
<i>Tritirachium dependens</i> Limber:					
<i>Gladiolus</i> sp.-----	Africa, Japan-----	---	---	2	La., N. Y.
<i>Lilium auratum</i> (goldband lily)-----	Japan-----	---	---	4	Calif.*
<i>Lilium concolor</i> (morningstar lily)-----	do-----	---	---	1	Calif.*
<i>Lilium giganteum</i> (giant lily)-----	do-----	---	---	1	Calif.*
<i>Lilium longiflorum</i> (Easter lily)-----	do-----	---	---	3	Calif.*
<i>Lilium rubellum</i> (rubellum lily)-----	do-----	---	---	1	Calif.*
<i>Lilium speciosum rubrum</i> (pink speciosum lily)-----	do-----	---	---	6	Calif.*
<i>Lilium</i> sp.-----	Bermuda, China, Japan-----	4	---	3	Calif.* N. Y.
<i>Lycoris radiata</i> (shorttube lycoris)-----	Japan-----	---	---	1	Calif.*
<i>Narcissus</i> sp.-----	China-----	1	---	---	Calif.*
<i>Trullula olivascens</i> Sacc.:					
<i>Citrus sinensis</i> (orange)-----	Argentina-----	---	1	---	Calif.*
<i>Tryblidiella rufula</i> (Spreng.) Sacc.:					
Unknown stem-----	Mexico-----	1	---	---	Tex.
<i>Uredo aurantiaca</i> Mont.:					
<i>Oncidium</i> sp. (orchid)-----	Brazil-----	---	---	1	N. J.
<i>Uredo behnickiana</i> P. Henn.:					
<i>Brassavola</i> sp. (orchid)-----	Mexico-----	---	---	1	Tex.
<i>Laelia anceps</i> (orchid)-----	do-----	---	---	2	Tex.
<i>Uredo guacae</i> Mayor:					
<i>Stanhopea</i> sp. (orchid)-----	Costa Rica, Mexico-----	---	---	2	Fla., Tex.
<i>Uredo jucunda</i> Syd.:					
<i>Philodendron</i> sp.-----	Costa Rica-----	---	---	2	Fla.
<i>Uredo nigropunctata</i> P. Henn.:					
<i>Bletia</i> sp. (orchid)-----	Bahamas-----	---	---	1	Fla.
<i>Uredo oncidii</i> P. Henn.:					
<i>Oncidium bicallosum</i> (orchid)-----	Guatemala-----	---	---	1	Calif.*
<i>Oncidium cavendishianum</i> -----	Mexico-----	---	---	2	Fla., Tex.
<i>Oncidium cebolleta</i> -----	do-----	---	---	1	Tex.

## List of pests (diseases) collected and reported from July 1, 1950, to June 30, 1951, inclusive—Continued

[An asterisk indicates State inspection]

Disease and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Nonentry	Propagation	
<i>Urocystis colchici</i> (Schlecht.) Rab.:					
<i>Colchicum autumnale album</i> .....	Netherlands.....			1	N. J.
<i>Colchicum autumnale major</i> .....	.....do.....			1	N. J.
<i>Colchicum autumnale minor</i> .....	.....do.....			1	N. J.
<i>Colchicum bornmuelleri</i> .....	.....do.....			3	N. J.
<i>Colchicum</i> sp.....	.....do.....			7	N. J.
<i>Urocystis gladiolicola</i> Ainsworth:					
<i>Gladiolus</i> sp.....	.....do.....			1	N. J.
<i>Uromyces alyxiae</i> Arth.:					
<i>Alyxia olivaeformis</i> .....	Hawaii.....	2			Calif.*
<i>Uromyces lespedezae-procumbentis</i> (Schw.) Curt.:					
<i>Lespedeza stipulacea</i> (Korean lespedeza).....	China.....			1	Calif.*
<i>Uromyces striatus</i> Schroet. var. <i>medicaginis</i> (Pass.) Arth.:					
<i>Medicago sativa</i> (alfalfa).....	Argentina.....	1			Tex.
<i>Ustilago tritici</i> (Pers.) Rost.:					
<i>Triticum aestivum</i> (wheat).....	England.....	1			Calif.*
<i>Venturia inaequalis</i> (Cke.) Wint. var. <i>cinerascens</i> (Fekl.) Aderh.:					
<i>Sorbus aucuparia</i> (European mountain-ash).....	Germany.....	1			N. Y.
<i>Vermicularia dematium</i> Fr.:					
<i>Dahlia</i> sp.....	Australia.....			1	Calif.*
Virus—undetermined:					
<i>Crossandra</i> sp.....	Canal Zone.....			1	Fla.
<i>Xanthomonas citri</i> (Hasse) Dowson:					
<i>Citrus aurantifolia</i> (sour lime).....	India, Indonesia.....		14		Ala., Mas N. Y.
<i>Citrus grandis</i> (pummelo).....	China, Japan.....	2	1		Calif.*
<i>Citrus grandis</i> (?).....	Straits Settlements.....		1		Calif.*
<i>Citrus limon</i> (lemon).....	India, Japan.....		18		Calif.*
<i>Citrus mitis</i> (calamondin orange) (?).....	India.....		1		N. Y.
<i>Citrus paradisi</i> (grapefruit).....	Ceylon, China, Japan.....		4		Calif.,* Mass.
<i>Citrus reticulata</i> (Mandarin orange).....	China.....	6			Calif.*
<i>Citrus sinensis</i> (orange).....	Ceylon, China, Japan.....	11	6		Calif.,* Pa.
<i>Citrus</i> sp.....	Japan (?).....		1		Wash.
<i>Xanthomonas hyacinthi</i> (Wakk.) Dowson:					
<i>Hyacinthus</i> sp.....	Netherlands.....			14	Mich., N. Y.
<i>Xanthomonas</i> sp. (Cancrosis "B"):					
<i>Citrus limon</i> (lemon).....	Argentina.....		6		La., N. Y., Pa., Tex.
Yellow-mottle virus:					
<i>Camellia sasanqua</i> (sasanqua tea).....	Japan.....			1	Calif.*

*Hosts and diseases*

## ABIES:

- Hormiscium pinophilum* (Deuteromycetes)
- Sclerotinia kernerii* (Ascomycetes)

## ACER:

- Calospora platanoidis* (Ascomycetes)
- Pestalotia japonica* (Deuteromycetes)

## AGAVE:

- Coniosporium agaves* (Deuteromycetes)
- Lembosia agave* (Ascomycetes)
- Schizophyllum commune* (Basidiomycetes)
- Stagnospora macrospora* (Deuteromycetes)

## ALLIUM CEPA:

- Alternaria porri* (Deuteromycetes)
- Aphelenchus avenae* (Nematoda)
- Cercospora duddiae* (Deuteromycetes)
- Ditylenchus dipsaci* (Nematoda)

## ALLIUM PORRUM:

- Puccinia porri* (Promycetes)
- Stemphylium botryosum* (Deuteromycetes)

## ALLIUM SATIVUM:

- Sclerotium cepivorum* (Deuteromycetes)

## ALYXIA:

- Uromyces alyxiae* (Promycetes)

## ANDROMEDA:

- Mycosphaerella punctiformis* (Ascomycetes)

## ANTIRRHINUM:

- Puccinia antirrhini* (Promycetes)

## ARAUCARIA:

- Pestalotia funerea* (Deuteromycetes)

## ARECA:

- Gloeosporium catechu* (Deuteromycetes)
- Phomopsis palmicola* (Deuteromycetes)

## BAMBOO:

- Apiospora montagnei* (Phycomycetes)
- Diplodia theobromae* (Deuteromycetes)
- Papularia sphaerosperma* (Deuteromycetes)
- Papularia vinosa* (Deuteromycetes)

## BEGONIA:

- Chlamydomyces palmarum* (Deuteromycetes)
- Meloidogyne arenaria* (Nematoda)
- Thielaviopsis basicola* (Deuteromycetes)

## BLETIA:

- Uredo nigropunctata* (Promycetes)

## BOCCONIA:

- Cercospora bocconiae* (Deuteromycetes)

## BRASSAVOLA:

- Uredo behnickiana* (Promycetes)

## BUXUS:

- Microthyrium microscopium* (Ascomycetes)
- Puccinia buxi* (Promycetes)

## CAJANUS:

- Colletotrichum cajani* (Deuteromycetes)

## CAMELLIA:

- Discosia arctocreas* (Deuteromycetes)
- Pestalotia guepini* (Deuteromycetes)
- Yellow-mottle virus

## CAPSICUM:

- Gloeosporium piperatum* (Deuteromycetes)

## CARYA:

- Phyllosticta caryae* (Deuteromycetes)

## CASTANEA:

- Cytospora ceralophora* (Deuteromycetes)
- Stilbum incarnatum* (Deuteromycetes)

## CATTLEYA:

- Chiodecton sanguineum* (Ascomycetes)
- Pestalotia conspicua* (Deuteromycetes)
- Pythium ultimum* (Phycomycetes)

## CEANOTHUS:

- Clonostachys araucaria* (Deuteromycetes)

## CENTAUREA:

- Cercospora centaureae* (Deuteromycetes)

## CHAMAEDOREA:

- Mycosphaerella advena* (Ascomycetes)

## CHRYSANTHEMUM:

- Leptosphaeria vagabunda* (Ascomycetes)
- Puccinia chrysanthemi* (Promycetes)
- Septoria chrysanthemi* (Deuteromycetes)
- Septoria leucanthemi* (Deuteromycetes)

## CHUSQUEA:

- Coniosporium chusqueae* (Deuteromycetes)

## CICHORIUM:

- Sclerotinia minor* (Ascomycetes)

## CITRUS AURANTIFOLIA:

- Elsinoe australis* (Ascomycetes)
- Xanthomonas citri* (Schizomycetes)

## CITRUS GRANDIS:

- Meliola citricola* (Ascomycetes)
- Phoma citricarpa* (Deuteromycetes)
- Xanthomonas citri* (Schizomycetes)

## CITRUS LIMON:

- Botryosphaeria ribis* (Ascomycetes)
- Elsinoe australis* (Ascomycetes)
- Elsinoe fauetti* var. *scabiosa* (Ascomycetes)
- Phoma citricarpa* (Deuteromycetes)
- Septoria citri* (Deuteromycetes)
- Xanthomonas citri* (Schizomycetes)
- Xanthomonas* sp. (Cancrosis "B") (Schizomycetes)

## CITRUS MITIS (?):

- Xanthomonas citri* (Schizomycetes)

## CITRUS PARADISI:

- Alternaria citri* (Deuteromycetes)
- Phoma citricarpa* (Deuteromycetes)
- Septoria citri* (Deuteromycetes)
- Xanthomonas citri* (Schizomycetes)

## CITRUS RETICULATA:

- Alternaria citri* (Deuteromycetes)
- Hypocrella caulium* (Ascomycetes)
- Phoma citricarpa* (Deuteromycetes)
- Xanthomonas citri* (Schizomycetes)

## CITRUS SINENSIS:

- Alternaria citri* (Deuteromycetes)
- Ascochyta citri* (Deuteromycetes)
- Elsinoe australis* (Ascomycetes)
- Erwinia citrimaculans* (Schizomycetes)

## Leprosis

- Myriangium duriaei* (Ascomycetes)
- Phoma citricarpa* (Deuteromycetes)
- Phoma limonii* (Deuteromycetes)
- Septoria citri* (Deuteromycetes)
- Trullula olivascens* (Deuteromycetes)
- Xanthomonas citri* (Schizomycetes)

## CITRUS SP. (orange):

- Elsinoe australis* (Ascomycetes)

## CITRUS SP.:

- Alternaria citri* (Deuteromycetes)
- Phoma citricarpa* (Deuteromycetes)
- Xanthomonas citri* (Schizomycetes)

## CLEMATIS:

- Meloidogyne arenaria* (Nematoda)

## COCOS:

- Diplodia cococarpa* (Deuteromycetes)
- Diplodia epicocos* (Deuteromycetes)
- Isaria clavata* (Deuteromycetes)
- Pestalotia palmarum* (Deuteromycetes)
- Phomopsis coccos* (Deuteromycetes)
- Urocystis colchici* (Promycetes)

## COFFEA:

- Cercospora coffeicola* (Deuteromycetes)
- Colletotrichum coffeanum* (Deuteromycetes)

## COLCHICUM:

- Urocystis colchici* (Promycetes)

## COLOCASIA:

- Dendryphium obtipum* (Deuteromycetes)

## CONVALLARIA:

- Aphelenchoides parietinus* (Nematoda)

## COTINUS:

- Cytospora rhoisa* (Deuteromycetes)

## CROSSANDRA:

- Virus—undetermined

## CUCURBITA:

- Diplodia theobromae* (Deuteromycetes)

## CYDONIA:

- Entomosporium maculatum* (Deuteromycetes)
- Fabraea maculata* (Ascomycetes)
- Monilinia fructigena* (Ascomycetes)

## CYMBIDIUM:

- Pestalotia conspicua* (Deuteromycetes)
- Septoria posekensis* (Deuteromycetes)

## CYMBOPOGON:

- Nigrospora sphaerica* (Deuteromycetes)

## CYPRIPIEDUM:

- Septoria posekensis* (Deuteromycetes)

## DAHLIA:

- Entyloma dahliae* (Promycetes)
- Stilbum incarnatum* (Deuteromycetes)
- Vermicularia dematium* (Deuteromycetes)

## DAISY:

- Septoria macrospora* (Deuteromycetes)



## Hosts and diseases—Continued

- DAUCUS:**  
*Stemphylium radicinum* (Deuteromycetes)
- DENDROBIUM:**  
*Pestalotia conspicua* (Deuteromycetes)  
*Phyllosticta laeliae* (Deuteromycetes)
- DIANTHUS:**  
*Alternaria dianthi* (Deuteromycetes)  
*Puccinia arenariae* (Promycetes)
- DIOSPYROS:**  
*Cercospora kaki* (Deuteromycetes)  
*Pestalotia diospyri* (Deuteromycetes)
- ECHINOCACTUS:**  
*Mycosphaerella opuntiae* (Ascomycetes)
- ELEOCHARIS:**  
*Stilbum incarnatum* (Deuteromycetes)
- EPIDENDRUM:**  
*Pestalotia conspicua* (Deuteromycetes)
- EUCALYPTUS:**  
*Pestalotia disseminata* (Deuteromycetes)  
*Septosporium scyphophorum* (Deuteromycetes)
- FIGUS:**  
*Phomopsis cinerescens* (Deuteromycetes)
- FRAGARIA:**  
*Diplocarpon earliana* (Ascomycetes)  
*Ramularia tulasnei* (Deuteromycetes)
- FRAXINUS:**  
*Cercospora fraxinites* (Deuteromycetes)  
*Marssonina fraxini* (Deuteromycetes)
- GALANTHUS:**  
*Botrytis galanthina* (Deuteromycetes)
- GARCINIA:**  
*Diplodia theobromae* (Deuteromycetes)
- GARDENIA:**  
*Mycena citricolor* [*Omphalia flvida*] (Deuteromycetes)
- GAULTHERIA:**  
*Phyllosticta gaultheriae* (Deuteromycetes)
- GLADIOLUS:**  
*Aphelenchus avenae* (Nematoda)  
*Botrytis gladiolorum* (Deuteromycetes)  
*Curvularia lunata* (Deuteromycetes)  
*Fusarium oxysporum* f. *gladioli* (Deuteromycetes)  
*Heterosporium iridis* (Deuteromycetes)  
*Papulaspora parasitica* (Deuteromycetes)  
*Pseudomonas marginata* (Schizomycetes)  
*Tritirachium dependens* (Deuteromycetes)  
*Urocystis gladiolicola* (Promycetes)
- GOSSYPIUM:**  
*Cercospora gossypina* (Deuteromycetes)  
*Phakopsora desmii* (Promycetes)  
*Puccinia stakmanii* (Promycetes)
- GYPHOPHILA:**  
*Alternaria dianthi* (Deuteromycetes)
- HEDERA:**  
*Colletotrichum trichellum* (Deuteromycetes)
- HELLEBORUS:**  
*Coniothyrium hellebori* (Deuteromycetes)
- HIBISCUS:**  
*Metasphaeria hibiscicola* (Ascomycetes)  
*Phomopsis ophiles* (Deuteromycetes)
- HORDEUM:**  
*Puccinia hordei* (Promycetes)
- HYACINTHUS:**  
*Stemphylium botrysosum* (Deuteromycetes)  
*Xanthomonas hyacinthi* (Schizomycetes)
- HYDRANGEA:**  
*Phoma hortensiae* (Deuteromycetes)
- ILEX:**  
*Gloeosporium aquifolii* (Deuteromycetes)
- IPOMOEA:**  
*Coleosporium ipomoeae* (Promycetes)  
*Diplodia gossypina* (Deuteromycetes)  
*Macrophomina phaseolina* (Deuteromycetes)
- IRIS:**  
*Colletotrichum lilacearum* (Deuteromycetes)  
*Ditylenchus iridis* (Nematoda)  
*Heterosporium iridis* (Deuteromycetes)  
*Paraphelenchus amblyurus* (Nematoda)
- JUGLANS:**  
*Marssonina juglandis* (Deuteromycetes)
- JUNIPERUS:**  
*Gymnosporangium haraeanaum* (Promycetes)  
*Gymnosporangium japonicum* (Promycetes)  
*Mytilidium decipiens* (Ascomycetes)
- KIGELIA:**  
*Diplodia theobromae* (Deuteromycetes)
- LABURNUM:**  
*Coniothyrium olitellum* (Deuteromycetes)  
*Coniothyrium olivaceum* (Deuteromycetes)
- LAELIA:**  
*Uredo behnickiana* (Promycetes)
- LAURUS:**  
*Cercospora purpurea* (Deuteromycetes)
- LESPEDeza:**  
*Uromyces lespedezae-procumbentis* (Promycetes)
- LEUCOTHOE:**  
*Diplodia rostrupii* (Deuteromycetes)
- LILIUM:**  
*Botrytis elliptica* (Deuteromycetes)  
*Colletotrichum lilii* (Deuteromycetes)  
*Gliomastix convoluta* (Deuteromycetes)  
*Memnoniella echinata* (Deuteromycetes)  
*Tritirachium dependens* (Deuteromycetes)
- LIMONIUM:**  
*Cercospora insulana* (Deuteromycetes)
- LINUM:**  
*Pleospora herbarum* (Ascomycetes)
- LIPPIA:**  
*Cercospora lippiae* (Deuteromycetes)
- LYCOPERSICON:**  
*Phytophthora parasitica* (Phycomycetes)  
 Streak (winter blight)
- LYCORIS:**  
*Botrytis elliptica* (Deuteromycetes)  
*Tritirachium dependens* (Deuteromycetes)
- MALUS:**  
*Coniothyrium pirinum* (Deuteromycetes)  
*Gloeosporium perennans* (Deuteromycetes)  
*Leptothyrium pomi* (Deuteromycetes)  
*Monilinia fruticicola* (Ascomycetes)  
*Mycosphaerella pomi* (Ascomycetes)  
*Phoma pomi* (Deuteromycetes)  
*Physalospora obtusa* (Ascomycetes)
- MANGIFERA:**  
*Cercospora mangiferae* (Deuteromycetes)  
*Phyllosticta mortoni* (Deuteromycetes)
- MATHIOLA:**  
*Alternaria raphani* (Deuteromycetes)
- MAXILLARIA:**  
*Dendryphium toruloides* (Deuteromycetes)
- MEDICAGO:**  
*Fusarium oxysporum* f. *medicaginis* (Deuteromycetes)  
*Pseudopeziza medicaginis* (Ascomycetes)  
*Uromyces striatus* var. *medicaginis* (Promycetes)
- MORUS:**  
*Diplodia gossypina* (Deuteromycetes)
- MUSA PARADISIACA SAPIENTUM:**  
*Cercospora musae* (Deuteromycetes)  
*Hormodendron cladosporioides* (Deuteromycetes)  
*Macrophoma musae* (Deuteromycetes)  
*Stachybotrys subsimplex* (Deuteromycetes)  
*Stachylidium theobromae* (Deuteromycetes)  
*Stemphylium botrysosum* (Deuteromycetes)
- MUSCARI:**  
*Stemphylium ilicis* (Deuteromycetes)
- NARCISUS:**  
*Fusarium oxysporum* f. *narcissi* (Deuteromycetes)  
*Ophiostoma narcissi* (Ascomycetes)  
*Tritirachium dependens* (Deuteromycetes)
- NEPETA:**  
*Cercospora nepetae* (Deuteromycetes)
- NERIUM:**  
*Cercospora neriella* (Deuteromycetes)
- NYMPHAEA:**  
*Diplodia gossypina* (Deuteromycetes)
- ODONTOGLOSSUM:**  
*Cercospora angreci* (Deuteromycetes)  
*Septoria posekensis* (Deuteromycetes)
- OLEA:**  
*Gloeosporium olivarum* (Deuteromycetes)  
*Pseudomonas savastanoi* (Schizomycetes)  
*Torula oleae* (Deuteromycetes)
- ONCIDIUM:**  
*Uredo aurantiaca* (Promycetes)  
*Uredo oncidii* (Promycetes)

## Hosts and diseases—Continued

- ORANIA:**  
*Gliomastix convoluta* (Deuteromycetes)
- ORCHID:**  
*Cercospora angreci* (Deuteromycetes)  
*Pestalotia conspicua* (Deuteromycetes)  
*Schizophyllum commune* (Basidiomycetes)  
*Sphaeropsis orchidearum* (Deuteromycetes)
- ORNITHOGALUM:**  
*Heterosporium ornithogali* (Deuteromycetes)  
*Puccinia ornithogali-thyrsoides* (Promycetes)
- ORYZA:**  
*Cladosporium oryzae* (Deuteromycetes)  
*Helminthosporium oryzae* (Deuteromycetes)  
*Nigrospora sphaerica* (Deuteromycetes)  
*Phaeosphaeria oryzae* (Ascomycetes)  
*Phyllosticta glumarum* (Deuteromycetes)  
*Sclerotium irregulare* (Deuteromycetes)
- PACHYRHIZUS:**  
*Stilbum incarnatum* (Deuteromycetes)
- PAEONIA:**  
*Botryosphaeria ribis* (Ascomycetes)  
*Leptostromella hysterioides* (Deuteromycetes)  
*Pestalotia paeoniae* (Deuteromycetes)  
*Phyltaena ranunculacearum* (Deuteromycetes)
- PALM:**  
*Calacauma sabal* (Ascomycetes)  
*Diplodia theobromae* (Deuteromycetes)  
*Hendersonia sabaleos* (Deuteromycetes)  
*Mycosphaerella palmarum* (Ascomycetes)  
*Pestalotia palmarum* (Deuteromycetes)
- PANDANUS:**  
*Trichoderma viride* (Deuteromycetes)
- PANICUM:**  
*Sorosporium syntherismae* (Promycetes)
- PASPALUM:**  
*Cerebella andropogonis* (Deuteromycetes)
- PASSIFLORA:**  
*Phyllosticta passiflorae* (Deuteromycetes)
- PERSEA:**  
*Sphaceloma perseae* (Deuteromycetes)
- PHASEOLUS LUNATUS MACROCARPUS:**  
*Elsinoe phaseoli* (Ascomycetes)
- PHASEOLUS VULGARIS VAR.:**  
*Isariopsis griseola* (Deuteromycetes)  
*Phytophthora phaseoli* (Phycomycetes)
- PHILODENDRON:**  
*Uredo jucunda* (Promycetes)
- PHRAGMITES:**  
*Lophodermium arundinaceum* (Ascomycetes)  
*Papularia arundinis* (Deuteromycetes)
- PICEA:**  
*Thecopora areolata* (Promycetes)
- PIERIS:**  
*Diplodina rostrupii* (Deuteromycetes)  
*Pestalotia macrotricha* (Deuteromycetes)
- PINUS:**  
*Lophodermium pinastri* (Ascomycetes)  
*Pyrenochaeta acicola* (Deuteromycetes)
- PISUM:**  
*Cladosporium pisicola* (Deuteromycetes)  
*Colletotrichum pisi* (Deuteromycetes)  
*Pseudomonas seminum* (Schizomycetes)
- PLUMERIA:**  
*Coleosporium domingense* (Promycetes)
- POPULUS:**  
*Stereum rufum* (Basidiomycetes)
- PROSOPIS:**  
*Gloeosporium leguminum* (Deuteromycetes)
- PRUNUS PERSICA:**  
*Coryneum carpophilum* (Deuteromycetes)
- PSIDIUM:**  
*Pestalotia psidii* (Deuteromycetes)
- PUNICA:**  
*Cercospora lythracearum* (Deuteromycetes)
- PYRUS:**  
*Monilinia fructigena* (Ascomycetes)
- QUERCUS:**  
*Coniothecium quercina* (Deuteromycetes)  
*Microporella quercus* (Deuteromycetes)
- RAPHANUS:**  
*Aphanomyces raphani* (Phycomycetes)
- RHODODENDRON:**  
*Cercospora handelii* (Deuteromycetes)  
*Ceuthospora lunata* (Deuteromycetes)  
*Chrysomyza rhododendri* (Promycetes)  
*Diplodina eurhododendri* (Deuteromycetes)  
*Discoisa arlocreas* (Deuteromycetes)  
*Exobasidium vaccinii* (Basidiomycetes)  
*Mycosphaerella clintoniana* (Ascomycetes)  
*Mycosphaerella rhododendri* (Ascomycetes)  
*Pestalotia guepini* (Deuteromycetes)  
*Pestalotia macrotricha* (Deuteromycetes)  
*Pestalotia rhododendri* (Deuteromycetes)  
*Septoria azaleae* (Deuteromycetes)
- RIBES:**  
*Diplodina grossulariae* (Deuteromycetes)
- RICINUS:**  
*Papulaspora parasitica* (Deuteromycetes)
- ROSA:**  
*Diplocarpon rosae* (Ascomycetes)  
*Peziella oenotherae* (Ascomycetes)  
*Phragmidium disciflorum* (Promycetes)  
*Phragmidium montivagum* (?) (Promycetes)
- RUSCUS:**  
*Leptosphaeria rusci* (Ascomycetes)  
*Phoma rusci* (Deuteromycetes)  
*Phyllosticta ruscicola* (Deuteromycetes)
- SACCHARUM:**  
*Apiospora camplospora* (Ascomycetes)  
*Colletotrichum falcatum* (Deuteromycetes)  
*Stigmella sacchari* (Deuteromycetes)
- SALIX:**  
*Cryptodiaporthe salicina* (Ascomycetes)  
*Cytospora chrysosperma* (Deuteromycetes)  
*Cytospora salicis* (Deuteromycetes)  
*Discella carbonacea* (Deuteromycetes)
- SCHOMBURGKIA:**  
*Macrophoma epidendri* (Deuteromycetes)
- SCIRPUS:**  
*Puccinia oblecta* (Promycetes)
- SEDUM:**  
*Diplodia sedicola* (Deuteromycetes)
- SINNINGIA:**  
*Pythium ultimum* (?) (Phycomycetes)  
*Thielaviopsis basicola* (Deuteromycetes)
- SOIL:**  
*Aphelenchus avenae* (Nematoda)  
*Heterodera avenae* (Nematoda)  
*Heterodera cacti* (Nematoda)  
*Heterodera punctata* (Nematoda)  
*Heterodera rostochiensis* (Nematoda)  
*Heterodera schachtii* (Nematoda)  
*Rotylenchus robustus* (?) (Nematoda)
- SOLANUM TUBEROSUM:**  
*Aphelenchus avenae* (Nematoda)  
*Fusarium oxysporum f. tuberosi* (Deuteromycetes)  
*Gliomastix convoluta* (Deuteromycetes)  
*Macrophomina phaseolina* (Deuteromycetes)  
*Pseudomonas solanacearum* (Schizomycetes)
- SORBUS:**  
*Gymnosporangium juniperi* (Promycetes)  
*Gymnosporangium juniperinum* (Promycetes)  
*Venturia inaequalis* var. *cinerascens* (Ascomycetes)
- SORGHUM:**  
*Colletotrichum graminicolum* (Deuteromycetes)
- SPINACIA:**  
*Peronospora effusa* (Phycomycetes)
- STACHYTARPHETA:**  
*Puccinia urbaniana* (Promycetes)
- STANTHOPEA:**  
*Cercospora angreci* (Deuteromycetes)  
*Pestalotia conspicua* (Deuteromycetes)  
*Uredo guacae* (Promycetes)
- STRELITZIA:**  
*Puccinia heliconiae* (Promycetes)
- TIGRIDIA:**  
*Ditylenchus dipsaci* (Nematoda)
- TRAPA:**  
*Stilbum incarnatum* (Deuteromycetes)
- TRICHOLAENA:**  
*Cerebella andropogonis* (Deuteromycetes)
- TRICHOPILIA:**  
*Diplodia paraphysaria* (Deuteromycetes)
- TRIFOLIUM:**  
*Cymadothea trifolii* (Ascomycetes)

## Hosts and diseases—Continued

TRITICUM:	VIOLA:
<i>Anguina tritici</i> (Nematoda)	<i>Puccinia violae</i> (Promycetes)
<i>Leptosphaeria eustomoides</i> (Ascomycetes)	VITIS:
<i>Puccinia glumarum</i> (Promycetes)	<i>Pleospora herbarum</i> (Ascomycetes)
<i>Puccinia graminis</i> var. <i>tritici</i> (Promycetes)	WISTERIA:
<i>Ustilago tritici</i> (Promycetes)	<i>Coniothyrium olivaceum</i> (Deuteromycetes)
TRITONIA:	<i>Diaporthe eres</i> (Ascomycetes)
<i>Botrytis gladiolorum</i> (Deuteromycetes)	YUCCA:
TULIPA:	<i>Stomatogone agaves</i> (Ascomycetes)
<i>Papulaspora coprophila</i> (Deuteromycetes)	ZANTEDESCHIA:
TYPHA:	<i>Chaetomium contortum</i> (Ascomycetes)
<i>Puccinia scirpi</i> (Promycetes)	ZEA:
VACCINIUM:	<i>Colletotrichum graminicolum</i> (Deuteromycetes)
<i>Mycosphaerella stemmatea</i> (Ascomycetes)	ZINGIBER:
VANDA:	<i>Glimoastix convoluta</i> (Deuteromycetes)
<i>Diplodia henriquesiana</i> (Deuteromycetes)	<i>Melanospora zamiae</i> (Ascomycetes)
	<i>Memnoniella echinata</i> (Deuteromycetes)

## Hosts unknown

HERB:	STEM:
<i>Septosporium scyphophorum</i> (Deuteromycetes)	<i>Dibotryon morbosum</i> (Ascomycetes)
	<i>Trybliidiella rufula</i> (Ascomycetes)

## Countries of origin and diseases

AFRICA:	CANADA:
<i>Tritirachium dependens</i>	<i>Discosia artocreae</i>
ARGENTINA:	<i>Leptosphaeria vagabunda</i>
<i>Alternaria citri</i>	<i>Phragmidium montivagum</i>
<i>Cytospora salicis</i>	CANAL ZONE:
<i>Elsinoe australis</i>	<i>Cercospora musae</i>
<i>Pseudopeziza medicaginis</i>	<i>Coleosporium domingense</i>
<i>Sorosporium syntherismae</i>	<i>Diplodia paraphysaria</i>
<i>Trullula olivascens</i>	Virus—undetermined
<i>Uromyces striatus</i> var. <i>medicaginis</i>	CEYLON:
<i>Xanthomonas</i> sp. (Cancerosis "B")	<i>Xanthomonas citri</i>
AUSTRALIA:	CHILE:
<i>Cerebella andropogonis</i>	<i>Coniosporium chusqueae</i>
<i>Colletotrichum lilifacearum</i>	CHINA:
<i>Elsinoe fawcettii</i> var. <i>scabiosa</i>	<i>Botrytis elliptica</i>
<i>Gliomastix convoluta</i>	<i>Colletotrichum lilii</i>
<i>Pestalotia conspicua</i>	<i>Dendryphium obstepum</i>
<i>Phoma citricarpa</i>	<i>Diplodia gossypina</i>
<i>Phyllosticta laeliae</i>	<i>Gliomastix convoluta</i>
<i>Phyllosticta passiflorae</i>	<i>Helminthosporium oryzae</i>
<i>Stilbum incarnatum</i>	<i>Melanospora zamiae</i>
<i>Vermicularia dematium</i>	<i>Meliola citricola</i>
AUSTRIA:	<i>Memnoniella echinata</i>
<i>Botrytis gladiolorum</i>	<i>Phoma citricarpa</i>
<i>Chrysomyxa rhododendri</i>	<i>Sclerotium irregulare</i>
<i>Heterodera punctata</i>	<i>Stilbum incarnatum</i>
<i>Thecopsora areolata</i>	<i>Tritirachium dependens</i>
AZORES:	<i>Uromyces lespedezae-procumbentis</i>
<i>Pestalotia guepini</i>	<i>Xanthomonas citri</i>
<i>Phoma hortensiae</i>	COLOMBIA:
<i>Torula oleae</i>	<i>Cercospora musae</i>
BAHAMAS:	COSTA RICA:
<i>Colletotrichum falcatum</i>	<i>Cercospora musae</i>
<i>Diplodia gossypina</i>	<i>Macrophoma musae</i>
<i>Uredo nigropunctata</i>	<i>Pestalotia conspicua</i>
BELGIUM:	<i>Sphaeropsis orchidearum</i>
<i>Cercospora angraci</i>	<i>Uredo quacae</i>
<i>Chlamydomyces palmarum</i>	<i>Uredo jucunda</i>
<i>Heterodera rostochiensis</i>	CUBA:
<i>Meloidogyne arenaria</i>	<i>Colletotrichum falcatum</i>
<i>Pleospora herbarum</i>	<i>Elsinoe phaseoli</i>
<i>Pythium ultimum</i>	<i>Pestalotia palmarum</i>
<i>Sclerotinia minor</i>	CYPRUS:
<i>Septoria azaleae</i>	<i>Gloeosporium olivarum</i>
<i>Thielaviopsis basicola</i>	CZECHOSLOVAKIA:
BERMUDA:	<i>Diplocarpon earliana</i>
<i>Cercospora neriella</i>	DENMARK:
<i>Colletotrichum lilii</i>	<i>Aphelenchoides parietinus</i>
<i>Tritirachium dependens</i>	<i>Calospora platanoidis</i>
BOLIVIA:	<i>Entyloma dahliae</i>
Leptosia	<i>Heterodera punctata</i>
BRAZIL:	<i>Heterodera rostochiensis</i>
<i>Chiodecton sanguineum</i>	DOMINICAN REPUBLIC:
<i>Diplocarpon rosae</i>	<i>Phyllosticta glumarum</i>
<i>Diplodia theobromae</i>	ECUADOR:
<i>Elsinoe australis</i>	<i>Elsinoe australis</i>
Leptosia	
<i>Pestalotia conspicua</i>	
<i>Uredo aurantiaca</i>	



## Countries of origin and diseases—Continued

## ENGLAND:

*Alternaria dianthi*  
*Chrysomyxa rhododendri*  
*Cytospora ceratophora*  
*Cytospora rhoisa*  
*Heterodera avenae*  
*Heterodera punctata*  
*Heterodera rostochiensis*  
*Monilinia fructigena*  
*Ophiostoma narcissi*  
*Puccinia arenariae*  
*Puccinia buxi*  
*Puccinia chrysanthemi*  
*Rotylenchus robustus*  
*Stemphylium radicinum*  
*Ustilago tritici*

## FIJI ISLANDS:

*Pestalotia conspicua*  
*Phoma citricarpa*

## FINLAND:

*Heterodera rostochiensis*

## FRANCE:

*Cymadothea trifolii*  
*Cytospora salicis*  
*Gloeosporium aquifolii*  
*Heterodera cacti*  
*Pestalotia guepini*  
*Phyalospora obtusa*  
*Ramularia tulasnei*

## GERMANY:

*Colletotrichum graminicolum*  
*Colletotrichum trichellum*  
*Diplodina grossulariae*  
*Heterodera punctata*  
*Heterodera rostochiensis*  
*Hormiscium pinophilum*  
*Leptosphaeria eustomoides*  
*Ophiostoma narcissi*  
*Phragmidium disciflorum*  
*Phyalospora obtusa*  
*Puccinia antirrhini*  
*Venturia tnaequalis* var. *cinerascens*

## GUAM:

*Diplodia cococarpa*  
*Phomopsis cocoes*

## GUATEMALA:

*Cercospora angreii*  
*Cercospora musae*  
*Mycena citricolor*  
*Puccinia graminis* var. *tritici*  
*Uredo oncidii*

## HAWAII:

*Diplodia cococarpa*  
*Macrophoma musae*  
*Pestalotia palmarum*  
*Schizophyllum commune*  
*Stigmella sacchari*  
*Uromyces alyziae*

## HONDURAS:

*Cercospora musae*  
*Hormodendron cladosporioides*  
*Pestalotia conspicua*  
*Stachylidium theobromae*

## ICELAND:

*Heterodera punctata*

## INDIA:

*Cladosporium oryzae*  
*Colletotrichum lilii*  
*Diplodia theobromae*  
*Macrophoma musae*  
*Septoria posekensis*  
*Xanthomonas citri*

## INDONESIA:

*Xanthomonas citri*

## IRAQ:

*Nigrospora sphaerica*

## IRELAND:

*Colletotrichum trichellum*  
*Heterodera punctata*  
*Heterodera rostochiensis*

## ISLE OF MAN:

*Heterodera avenae*  
*Heterodera punctata*

## ISRAEL:

*Heterodera cacti*  
*Heterodera punctata*

## ITALY:

*Botryosphaeria ribis*  
*Colletotrichum graminicolum*  
*Gloeosporium oliviarum*  
*Heterodera cacti*  
*Heterodera schachtii*  
*Leptosphaeria rusci*  
*Marssonina juglandis*  
*Monilinia fructigena*  
*Phoma rusci*  
*Phragmidium disciflorum*  
*Phyllosticta ruscicola*  
*Pleospora herbarum*  
*Pseudomonas savastanoi*  
*Puccinia glumarum*  
*Sclerotium cepivorum*  
*Septoria citri*

## JAPAN:

*Alternaria citri*  
*Apiospora monilagnei*  
*Botryosphaeria ribis*  
*Botrytis elliptica*  
*Botrytis gladiolorum*  
*Cercospora kaki*  
*Cladosporium oryzae*  
*Colletotrichum lilii*  
*Coniothyrium olivaceum*  
*Diaporthe eres*  
*Discosia artocreas*  
*Gliomastix convoluta*  
*Gymnosporangium haraeum*  
*Gymnosporangium japonicum*  
*Leptostromella hysteroidea*  
*Lophodermium pinastri*  
*Macrophoma phaseolina*  
*Memnoniella echinata*  
*Microperella quercus*  
*Mytilidion decipiens*  
*Nigrospora sphaerica*  
*Papularia sphaerosperma*  
*Papuluspora parasitica*  
*Paraphelenchus amblyurus*  
*Pestalotia diospyri*  
*Pestalotia guepini*  
*Pestalotia japonica*  
*Pestalotia paeoniae*  
*Phaeosphaeria oryzae*  
*Phlyctaena ranunculacearum*  
*Phoma citricarpa*  
*Pyrenochaeta acicola*  
*Septoria chrysanthemi*  
*Septoria citri*  
*Septoria leucanthemi*  
*Stilbum incarnatum*  
*Tritirachium dependens*  
*Xanthomonas citri*  
 Yellow-mottle virus

## KWAJALEIN ISLAND:

*Diplodia epicocos*  
*Trichoderma viride*

## LUXEMBOURG:

*Heterodera rostochiensis*

## MARSHALL ISLANDS:

*Diplodia cococarpa*  
*Pestalotia palmarum*

## MEXICO:

*Alternaria citri*  
*Alternaria dianthi*  
*Alternaria porri*  
*Alternaria raphani*  
*Aphanomyces raphani*  
*Aphe'enchus avenae*  
*Apiospora camptospora*  
*Ascochyta citri*  
*Botrytis gladiolorum*  
*Catacauma sabal*  
*Cercospora angreii*  
*Cercospora bocconiae*  
*Cercospora centaureae*  
*Cercospora coffeicola*

## Countries of origin and diseases—Continued

## MEXICO—Continued

*Cercospora duddiae*  
*Cercospora fraxinites*  
*Cercospora gossypina*  
*Cercospora insulana*  
*Cercospora lippiae*  
*Cercospora lythracearum*  
*Cercospora mangiferae*  
*Cercospora musae*  
*Cercospora nepetae*  
*Cercospora purpurea*  
*Cladosporium pisicola*  
*Coleosporium ipomoeae*  
*Colletotrichum falcatum*  
*Colletotrichum graminicolum*  
*Colletotrichum pisi*  
*Coniosporium agaves*  
*Coniothecium quercina*  
*Coniothyrium pirinum*  
*Coryneum carpophilum*  
*Curularia lunata*  
*Dendryphium toruloides*  
*Dibotryon morbosum*  
*Diplodia gossypina*  
*Diplodia sedicola*  
*Diplodia theobromae*  
*Ditylenchus dipsaci*  
*Entomosporium maculatum*  
*Fabraea maculata*  
*Fusarium oxysporum* f. *medicaginis*  
*Fusarium oxysporum* f. *tuberosi*  
*Gloeosporium leguminum*  
*Gloeosporium piperatum*  
*Heterodera cacti*  
*Heterosporium iridis*  
*Isaria clarata* (?)  
*Leptothyrium pomi*  
*Macrophoma epidendri*  
*Macrophoma musae*  
*Macrophomina phaseolina*  
*Marssonina fraxini*  
*Mycena citricolor*  
*Mycosphaerella advena*  
*Mycosphaerella opuntiae*  
*Mycosphaerella palmae*  
*Papularia vinosa*  
*Peronospora effusa*  
*Pestalotia conspicua*  
*Pestalotia disseminata*  
*Pestalotia palmarum*  
*Pestalotia psidii*  
*Phoma limonii*  
*Phomopsis cinerescens*  
*Phyllosticta caryae*  
*Phyllosticta gaultheriae*  
*Phyllosticta mortoni*  
*Phytophthora parasitica*  
*Phytophthora phaseoli*  
*Pseudomonas solancearum*  
*Puccinia hordei*  
*Puccinia oblecta*  
*Puccinia scirpi*  
*Puccinia slakmanii*  
*Schizophyllum commune*  
*Septoria chrysanthemi*  
*Septoria leucanthemi*  
*Septoria macrospora*  
*Septoria posekensis*  
*Septosporium scyphophorum*  
*Sphaceloma perseae*  
*Stachyldium theobromae*  
*Stagnospora macrospora*  
*Stemphylium botryosum*  
*Stereum rufum*  
*Stomatogone agaves*  
*Streak* (winter blight)  
*Tryblidiella rufula*  
*Uredo behnickiana*  
*Uredo guacae*  
*Uredo oncidii*

## NETHERLANDS:

*Aphelenchus avenae*  
*Botrytis galanthina*  
*Botrytis gladiolorum*  
*Cercospora handelii*  
*Ceuthospora lunata*

## NETHERLANDS—Continued

*Chaetomium conortum*  
*Clonostachys araucaria*  
*Coniothyrium cytisellum*  
*Coniothyrium hellebori*  
*Coniothyrium olivaceum*  
*Cryptodiaporthe salicina*  
*Cytospora chrysosperma*  
*Diplodina eurhododendri*  
*Diplodina rostrupii*  
*Discella carbonacea*  
*Ditylenchus dipsaci*  
*Ditylenchus iridis*  
*Exobasidium vaccinii*  
*Fusarium oxysporum* f. *gladioli*  
*Fusarium oxysporum* f. *narcissi*  
*Gliomastix convoluta*  
*Heterodera avenae*  
*Heterodera punctata*  
*Heterodera rostochiensis*  
*Lophodermium arundinaceum*  
*Meloidogyne arenaria*  
*Microthyrium microscopium*  
*Mycosphaerella clintoniana*  
*Mycosphaerella punctiformis*  
*Mycosphaerella rhododendri*  
*Ophiostoma narcissi*  
*Papularia arundinis*  
*Papulaspora coprophila*  
*Pestalotia macrotricha*  
*Pestalotia rhododendri*  
*Pezizella oenotherae*  
*Phomopsis ophites*  
*Pseudomonas marginata*  
*Septoria azaleae*  
*Stemphylium botryosum*  
*Stemphylium ilicis*  
*Thielaviopsis basicola*  
*Urocystis colchici*  
*Urocystis gladiolicola*  
*Xanthomonas hyacinthi*

## NEW ZEALAND:

*Heterosporium iridis*  
*Monilinia fructicola*  
*Mycosphaerella pomi*  
*Phoma citricarpa*

## NIGERIA:

*Cercospora musae*  
*Diplodia cococarpa*

## NORWAY:

*Gymnosporangium juniperinum*  
*Heterodera punctata*  
*Heterodera rostochiensis*  
*Hormiscium pinophilum*  
*Phoma pomi*  
*Puccinia violae*

## PANAMA:

*Cercospora musae*  
*Macrophoma musae*  
*Stachybotrys subsimplex*  
*Stachyldium theobromae*

## PARAGUAY:

*Elsinoe australis*

## PHILIPPINES:

*Diplodia cococarpa*  
*Gloeosporium catechu*  
*Papulaspora parasitica*  
*Pestalotia palmarum*  
*Phomopsis cocoes*  
*Stachyldium theobromae*

## POLAND:

*Heterodera rostochiensis*

## PORTUGAL:

*Cladosporium pisicola*  
*Pseudomonas seminum*  
*Stachyldium theobromae*

## PUERTO RICO:

*Colletotrichum cajani*  
*Elsinoe phaseoli*  
*Isariopsis griseola*  
*Lembosia agave*  
*Phakopsora desmum*  
*Puccinia urbaniana*

## Countries of origin and diseases—Continued

## SCOTLAND:

*Heterodera punctata*  
*Heterodera rostochiensis*  
*Pestalotia funerea*  
*Septoria leucanthemi*

## SIAM:

*Diplodia henriquesiana*  
*Myriangium duriae*  
*Septoria posekensis*

## SPAIN:

*Heterodera punctata*  
*Heterodera rostochiensis*  
*Septoria citri*

## STRAITS SETTLEMENTS:

*Gliomastix convoluta*  
*Septoria citri*  
*Xanthomonas citri*

## SWEDEN:

*Gliomastix convoluta*  
*Gloeosporium perennans*  
*Gymnosporangium juniperi*  
*Gymnosporangium juniperinum*  
*Heterodera punctata*  
*Heterodera rostochiensis*  
*Monilinia fructigena*  
*Mycosphaerella stemmatea*  
*Puccinia porri*

## SWITZERLAND:

*Chrysomyxa rhododendri*  
*Coniothyrium hellebori*  
*Heterodera punctata*  
*Heterodera rostochiensis*  
*Puccinia arenariae*  
*Sclerotinia kerneri*

## SYRIA:

*Anguina tritici*

## TAHITI:

*Memnoniella echinata*

## TRINIDAD:

*Hypocrella caulium*  
*Metasphaeria hibiscicola*  
*Puccinia heliconiae*

## TURKEY:

*Anguina tritici*

## UNION OF SOUTH AFRICA:

*Alternaria citri*  
*Diplodia theobromae*  
*Erwinia citrimaculans*  
*Hendersonia sabaleos*  
*Heterosporium ornithogali*  
*Phoma citricarpa*  
*Puccinia ornithogalli-thyrsoides*

## UNKNOWN:

*Chrysomyxa rhododendri*  
*Elsinoe australis*  
*Septoria leucanthemi*

## URUGUAY:

*Elsinoe australis*

## VENEZUELA:

*Cerebella andropogonis*  
*Colletotrichum coffeanum*

## VIRGIN ISLANDS:

*Fusarium oxysporium* f. *gladioli*

## WALES:

*Heterodera rostochiensis*

## YAP ISLAND:

*Phomopsis palmicola*

## YUGOSLAVIA:

*Alternaria citri*  
*Puccinia buxi*













